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GET THAT LEFT ELBOW UNDER THE RIFLE. LET YOUR LONG BONES SUPPORT IT... AND RELAX!
IT ALL LOOKS SO EASY-- FROM HERE
THIRD SESSION
GET THE RHYTHM OF IT! LOAD-AIM-SQUEEZE-CALL-EJECT!
REMIND ME TO SHOW YOU THE SITTING POSITION I USED TO TAKE
FOURTH SESSION
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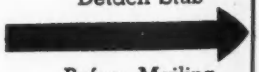

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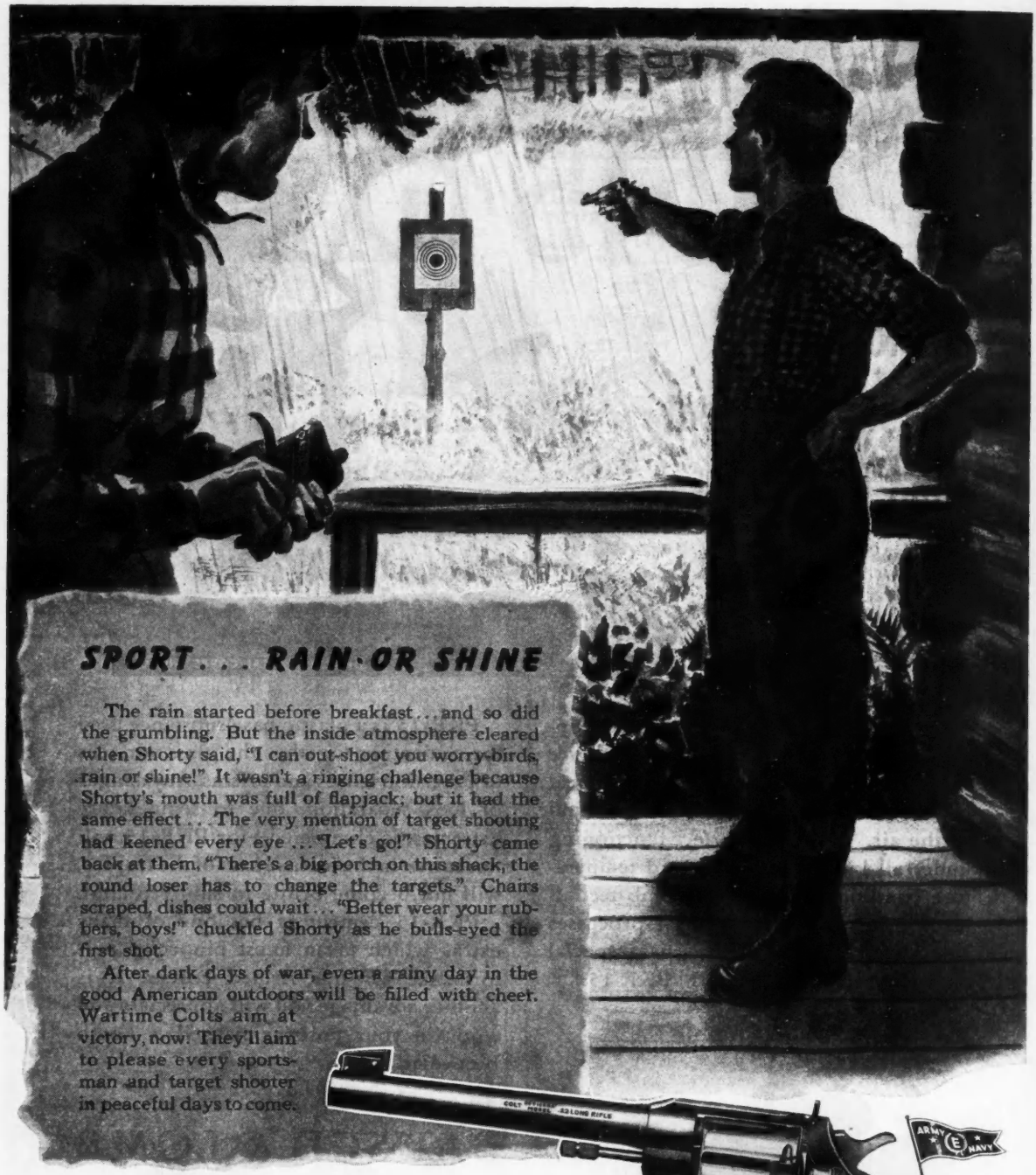

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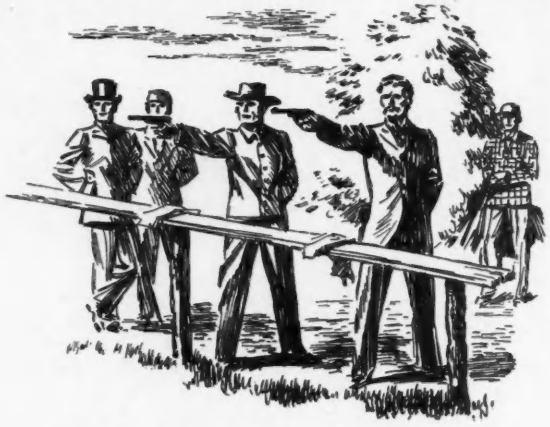

Q: WHAT WAS THE FIRST REALLY ACCURATE HANDGUN?

A: In 1870, Smith & Wesson introduced its famous .44 Russian Revolver, 250,000 of which were made for the Imperial Russian Army. Adapted to commercial use in 1875, the Russian became the first great target revolver. In the hands of such early handgun wizards as Ira A. Paine and the Bennett brothers, scores of records were set—several of which still stand.

Q: WHAT COMPANY FIRST USED THE RECESSED-HEAD PRINCIPLE IN MODERN HANDGUNS?

A: This important protective feature first appeared on a modern handgun with the S & W .22 Straight Line Single Shot Pistol in 1925. It was first applied to a modern rim-fire revolver in the heavy-frame S & W K-22, Jan. 2, 1931, and to center-fire revolvers in 1935 with the S & W ".357" Magnum.

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FOR FIRSTS IN FIREARMS

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FROM THE PROVING GROUNDS OF TODAY'S BATTLEFIELDS — GREATER GUNS FOR YOU TOMORROW

An Editorial

Beware Wind and Mirage

THE national political campaign is on its way. The nation is engaged, meanwhile, in a bitter struggle for survival.

It is the hope of every real American that the bitterness of the fight will be directed exclusively at the *military* battle and that the political battle will be confined to coolly logical discussion of the questions properly pertaining to the campaign.

The rifleman on the firing line selects his target, casts his "weather eye" aloft to gauge the wind, squints through his glass to determine the trickiness of his mirage, sets his sights, settles into position, holds, and squeezes. He knows in advance that the wind and mirage will be there to throw him off the target. He knows there will be the distracting noises and traffic of a busy range. But he also knows that if he sets his sights properly, concentrates on his own target, disregards the noise and HOLDS and SQUEEZES he will hit what he is shooting at. If he conducts himself like a real sportsman he will be equally popular in victory or defeat.

Rarely in the history of our Nation has it been so vital for American men and women to apply the doctrine of the range to their political activities.

What *is* our target? To win the war, of course. But that is in the hands of our military and naval people who have demonstrated their competence and who should keep out of politics, just as politics should keep away from them. Our target as voting citizens of the United States is to preserve our democratic processes and to insure the efficient conduct of our Government.

To do those things, we must intelligently seek the facts concerning every debatable question—*all* the facts, not the facts we like to hear because they come from someone on our side of the political fence. We must, in other words, get up on the firing line, find our target and obtain all the dope we can get that will help us set our sights properly. We may *prefer* to have someone tell us there is no wind and no mirage, but that information won't get us on the target if, in fact, there is a ten mile wind from nine o'clock, or a boiling mirage! The rifleman who insulates himself against information—all he can get, good and bad, from team mates or members of other teams—is no help to his team. The voter who insulates himself from all the information he can get,—good and bad, from political friend and political foe,—is of no help to his nation!

Now as to that second phase of the rifleman's doctrine on the range: that matter of SPORTSMANSHIP. It *is* possible to conduct a political campaign like sportsmen. It has been done often in the past. Faced with so controversial and involved an issue as the slavery question, Lincoln and Douglas conducted a campaign in which both spoke and acted like gentlemen—to the great benefit of their listeners and the Nation. Most truly successful "big time" political figures are gentlemen and sportsmen in both their personal and political affairs. It is among the smaller fry and the hangers-on, the political opportunists seeking special privileges for themselves and the groups they claim to represent, that decency and good sportsmanship are cast to the winds when the political campaigning begins. Lies, half-truths, innuendo, bigotry, appeals to class against class, are the stock in trade of this group. Calm, logical discussion of fundamental issues; clean, hard punching above the belt, is no part of their stock in trade. Their appeal is to passion and prejudice. They are the kind who would send you to the firing line with a half point left windage when the true dope called for a point and a half. They would start a rumpus behind the firing line when you were half-way through your string in the hope of distracting your attention from the real dope and your own target.

For the sake of those who have died to preserve the ideals that are America; for the sake of those yet to die; for the sake of yourself and your children; for the sake of the Nation, be a sportsman in this political campaign, *demand sportsmanship of the campaigners;* do not be misled or confused by the rabble-rousers, the name-callers, the liars.

Your ballot is a bullet fired in the battle for American constitutional government. Get *all* the dope before you set your sights. Then go into the match and come out of it a SPORTSMAN. . . . Easy does it! Hold and squeeze! . . . Beware the wind and mirage!—C. B. L.

The AMERICAN RIFLEMAN

Official Journal of The National Rifle Association of America

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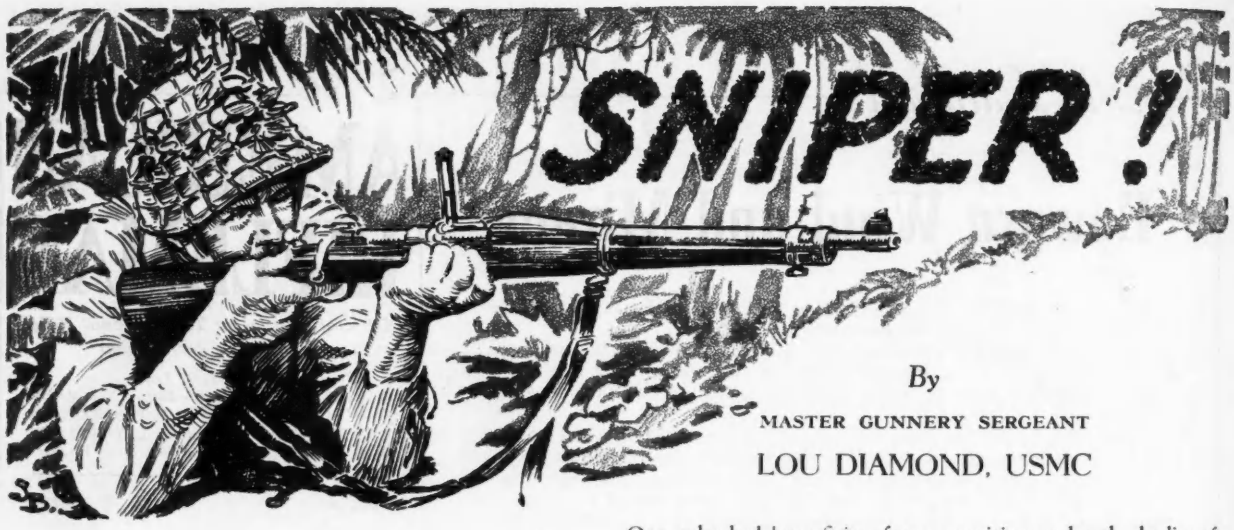


SNIPER!

By

MASTER GUNNERY SERGEANT

LOU DIAMOND, USMC

I DON'T SAY THAT THE JAP is a good sniper, but he certainly works hard at it!

Being a mortar man myself—though I'm pretty good with a rifle, too—I can vouch for that, for mortar men usually know plenty about enemy snipers. We learn it the hard way, too, because snipers are always trying to wipe us out. They used to go to great lengths trying to do that on Guadalcanal. I'm back in the States now, and don't know from current experience but I suppose they still do it.

You've heard stories of Jap snipers tying themselves in trees. Well, they do that. Usually, though, they use a contrivance like a boatswain's chair which is hauled up into the fronds of a palm or into the crown of a conifer tree, the sniper himself being equipped with climbing spikes. Sometimes, too, they work in pairs. Such teams search out an American, make him disclose his position, then try to keep him pinned down until a grenade can be heaved into his lap. Such tactics don't always work, though. Many a Jap sniper has returned to his tree after an absence to find a Marine waiting for him with a gun and a bullet. And many a two-man Jap sniper team has found that the American they thought they had pinned down had pals around him waiting to give them a hot reception.

The mortar platoon I handled on Guadalcanal got caught short one night and had to stay out, with no known support anywhere, and with Japs too all-fired close. Several Marines had been killed during the day by snipers, and we were all a bit jittery because we couldn't spot them.

That was before we had learned a very important thing about Jap snipers: They are accurate up to 300 yards. Beyond that they start scattering their shots or missing. After we found that out, when a man got hit in the head or heart we knew within just what circumference to hunt for that sniper. And when we found him—!

Few Jap snipers are taken alive. There was one, though—a kid who looked to be about sixteen years old—whom we found in a cave under Hill 208. We had hit that cave with everything—TNT, grenades, mortar projectiles, Bangalore torpedoes, and gunfire—but bullets kept coming out of it and some of those bullets found good Marine targets. Finally, a venturesome Marine dashed in. There were two live Japs in the cave. One, who had been firing from a position under the bodies of his own dead, unable to turn his rifle in time, tried to reach the Marine with a sword. He failed; but the second sniper, the sixteen-year-old kid, shot the Marine through the head.

Following Marines took care of the man under the dead bodies. A BAR gunner put a whole burst of machine-gun slugs through his head. Those Marines were justifiably irritated at that particular sniper. He had shot about eight men during the fight for the caves under Hill 208—or so we thought at the time. I believe now that it was the sixteen-year-old who had done most of the damage. We got him alive. He said he was an aerologist. The cave was equipped to back up that statement. Whatever he was, he was a good shot; too good!

Another sniper, located not far from a building on top of Hill 208, and near the cave where we took this sixteen-year-old prisoner, was dropping his shots entirely too close to my mortar platoon for comfort. We couldn't search him out with fire because some of our own men were practically in the building. That's one thing about the Jap: he has got a one-track mind. A Jap sniper will concentrate on his job of firing, from a tree for instance, even when some of our men are cutting the tree down from under him. He won't change his ordered field of fire, even to make you lay off his tree.

This particular sniper was picking us off, at the foot of the hill, while other Marines were attacking his own tree, or very near it. We figured it out that he was in a tree right over the shack on the hill, so I yelled to an officer to look for him. The officer went up on the roof of the shack, carrying a carbine. Certainly, he let off some shots into the tree.

The sniper dropped. He hit the roof and rolled. The roof was on the edge of Hill 208, above an almost sheer valley 400 feet or so deep. My mortars were in that valley.

I never knew whether the Jap was dead when he started down or not. He was dead enough when he stopped falling! After a man plunges and somersaults 400 feet, there is no use to look for bullet wounds!

"You asked for him, Diamond!" the officer yelled. "There he comes!"

We buried what was left of that Jap quickly. He wasn't pleasant to have around; almost as unpleasant as he would have been had he been alive when he landed. A short time later, another sniper, who had gone calmly on shooting in spite of what he must have seen happen to his comrade, came tumbling down the hill. Some Leatherneck had shot him off his perch and the slope caught him. He was just as badly smashed up as the first one had been.

For my book, it takes a Marine with an '03 Springfield to be a real sniper. An expert rifleman who attends to his business, and doesn't waste his shots, is a sniper that is unbeatable. Of course, we went in for machine guns and automatic rifles and carbines in the Solomons, but the rifle had its place, and the expert rifleman had his place, too. Our snipers had to be good to beat the Japs. Whatever edge we had on them in marksmanship was offset, at least in part, by their advantage of prepared positions, and by their flashless powder which made them even harder to find.

One thing in our favor, though, was the fact that Jap rifles are bolt operated. Jap snipers have to move to operate that bolt, and keen eyes can spot that movement. Once we spot them, it is seldom that more than one shot is needed from an angry Marine with a Springfield rifle. Understand, I have nothing against the M1; but we hadn't got around to them when I was on Guadalcanal.

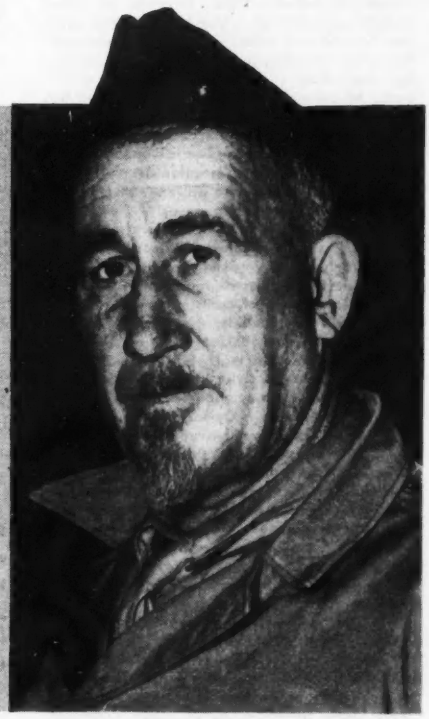
That night when my platoon stayed out too late and had to spend the night in the jungle, we proved the worth of marksmanship. We got two Japs in the moonlight, merely by watching their shadows.

One Jap, moving close to our position, suddenly yelled, "Corporal of the Guard! Post Number 13."

The idea, of course, was to make us disclose our position. We disclosed our position, all right; but the Jap wasn't alive long enough to make any use of it. A Springfield cracked and the Jap dropped. One of my men, noting the moving shadow, had the man in his sights when he yelled.

"How were you sure he was a Jap?" I asked.

"I knew we didn't have any Post 13," the Marine told me. "Besides, he couldn't pronounce the 'l' in corporal. He said 'corporar.'"



Master Gunnery Sergeant Lou Diamond is probably the best-known non-com in the armed forces. His age is a strictly-guarded military secret. (In fact, it's Marine Corps legend that "Lou wasn't born—he was issued!" . . . Be that as it may, he's the world's best mortarman and mortarmen everywhere gauge their skill by comparison with his! In this story, Lou pays tribute to the riflemen whose job it is to pick off enemy snipers so the mortars can keep firing.

Strange things happen, sometimes, to Jap snipers. I saw one, lying at the base of his tree, wearing his climbing irons and all tangled up in the wreckage of his boatswain's chair, who had been stabbed to death with a knife. Some Marine must have spotted him, must have lain in wait for him, and caught him there as he came down out of his tree, probably to return to his unit.

It got to be a widespread Marine opinion that it was bad luck to look straight at a Jap sniper's position. Those Japs seemed to single out men who looked straight at them, and would pick that man off with their next quick shot. It was better to search out their positions from good cover, or else, once you had located them, to let your glance swing on past them and then to ignore them until you could turn for a quick, well-placed shot.

We learned, too, to draw a "back azimuth" from the point of impact of a Jap sniper's bullet, even when that point of impact was in the body of a comrade, to look at the position of the sniper who had fired it. Once he was located, that sniper would be a dead duck with a vengeance.

It seemed to me that our Marines became scouts overnight. How many of them had made Buffalo Bill and the other old plainsmen their boyhood heroes, I don't know; but I do know that they took to jungle fighting, hunting down their enemies from tree to tree like Indians. Danger sharpened their wits

(*Continued on page 29*)

Official USMC photos.

LETTER FROM D DAY

June 12th

As you've probably guessed from my long silence, I've been in quarantine—not from illness, but "for reasons of security!"

The quarantine began some time before D Day. My particular "prison" was the cruiser *Tuscaloosa*, the flagship of the cruiser command, on which I was to ride into the Bay of the Seine. They were pleasant days. Our briefing was very thorough, covering the whole plan of the operation. We knew before going in that our spot would be a hot one, for we would be the last ship on the extreme right flank, which would take us within eleven thousand yards of the northeast tip of Cherbourg's defenses. At that point, exactly twenty-two batteries of German heavy artillery would cover us!

The story of D Day and the hours leading up to it is simply too big for description. If I could only make you see that trip: our start from a northern port; steaming south through endless formations of transports and landing craft and escort vessels; our anxiety as the weather worsened, kicking up a sea that rocked the smaller craft and would make landings hazardous; the postponement of D Day for twenty-four hours; the mounting tension of those twenty-four hours; the return finally, at H-minus-twenty-hours, to our point of rendezvous and the knowledge that "this is it!"

But all of that, big as it seemed to us as we lived it, faded before the enormity of the scenes that followed. The night pyrotechnics staged by our air forces began at H-minus-five hours. It grew; drew nearer as we ourselves slid slowly in to our own positions under the German guns.

The terrible, terrifying magnitude of that dawn! The thrill of realizing, as we watched hit-splashes rise beside a sister ship, that this was real shooting-back war! The shock of realizing, an instant later, that we, too, were under fire from Jerry's shore batteries! (Unbelievable that you can actually see those big projectiles lobbing at you—but it's true! Others on the open bridge beside me remarked about it, too.)

It was a grandstand seat to the biggest show the world has ever seen; near enough to look down on those little boats with their huddled doughboys, bobbing in toward shore . . . to see, through binoculars, the fire encountered by the first wave; to see an LCT blow up before our eyes and a destroyer pounded to death with, first, a lucky hit, and then, when she was paralyzed, with a bracketing of fire that put her under in a few minutes . . . planes, some of them on fire, dropping in the Bay around us . . . survivors rescued by PT boats being brought alongside . . . others, not so lucky, floating by after a few hours or days, stiffened corpses in the contorted shapes of last-second efforts for survival.

The censors here tell me that over two and a half million words have gone over their desks already, trying to tell the story of D Day and the landings in Normandy. But it's a story that can never be told. Its magnitude, and the heroism of the men who landed, living or dead, on those beaches, are beyond the power of the written word. It's done; D Day is history. V-Day—the day of victory—is nearer for the price they paid. . . . Let's see to it, *this time*, that they did not pay that price in vain!

—BILL SHADEL, *War Correspondent*.

Trigger Squeeze, Again!

By BEN MECKLENBURG

So much has been written about trigger squeeze that another article may seem superfluous, but you will find this approach to the subject novel at least. While written from the pistol shooter's point of view, the principles involved apply equally to the rifle.

It is my belief that the beginner will better understand trigger squeeze if he first learns how it is really done by the expert rifle or pistol man. This seems like putting the cart before the horse but no one can make an intelligent effort until he knows what result he must strive for.

Some time ago I asked a pistolman, whose Rapid-Fire scores I particularly admired, how he did it. His answer was, "I dunno. When the sights line up on the bull, it just goes off."

That answer doesn't seem to have much meat in it, but actually it is the whole answer to the question of proper trigger squeeze. Let's see "how he got that way."

Certain functions performed by every human being, whether mental or physical, are controlled by the subconscious mind. Others, by the conscious mind. The function of the subconscious mind is to control those acts which are instinctive, such as blinking, or which have become habitual, like walking. These acts of the subconscious are, as a rule, perfect performances. Moreover, *the subconscious can perform two or more acts simultaneously*, provided that no outside influence interferes.

The conscious mind, on the other hand, must concentrate on one subject at a time, with no guarantee even then that the result will be perfect. Someone said that if he could be only 51 per cent right all of the time, he would make a fortune on the stock market.

What has all this to do with trigger squeeze? Just this—if we could shift the four fundamentals of shooting: position, grip, aim, and trigger squeeze, over to the subconscious, our performance would be just about perfect.

There are two obstacles to that desirable condition. First, it is harder to make the mind a blank than it is to concentrate the mind on any one subject. Secondly, we must see our sights and target.

Since we can concentrate on only one thing at a time, we have only one choice. That is to use our conscious mind for the one fundamental for which it is absolutely necessary—the business of aiming.

So we must come to the conclusion that the expert *concentrates on his aim* without giving any thought to position, grip, or squeeze. These latter functions have been taken over by the subconscious and are as near perfection as any human being can expect to attain.

There is but one way that the shooter can have the subconscious take over in this manner. That is *through the practice of the fundamentals* until they become second nature. Some shooters require a great deal more practice than others to arrive at that condition. Those who need less time than the average are the people we think of as "natural shots."

Since it is impossible for most of us to reach the stage where our concentration is absolutely perfect, two or three shots out of ten will go haywire. A good many of the top experts in the country do better than this. Their "poor" shots are usually due to wind and the usual limitations set upon steady holding by the make-up of the human frame.

The Rapid-Fire shot mentioned a few paragraphs back was not as good at Slow Fire because, while he dry practiced Rapid Fire for half an hour each day, he did practically no Slow-Fire work. His subconscious impulses were trained only for Rapid Fire and could not, therefore, adapt themselves readily to Slow Fire. Experts will often find that their Rapid and Timed scores are more consistent than their Slow-Fire scores. In shooting Slow Fire, concentration is often distracted by various outside influences. In Rapid Fire there is less time for the mind to wander from the job at hand.

Let's examine some of the superstitions involved in trigger squeeze.

It is often advised to equalize the trigger finger pressure by an equal amount of pressure against the side of the frame with the thumb "to counteract the tendency to shoot to the left." Since the trigger pressure *should* be straight back, that idea falls of its own weight. If you are shooting to the left, it is either because the grip is wrong, the sights are off, or you are yanking the trigger.

Many shooters believe that only the tip of the finger should rest on the trigger. They give as one reason that the tip is the most sensitive part of the finger. Who cares? The impulse that causes the trigger finger to add pressure to the trigger does not travel to the brain *from* that finger and back again. The motor impulse comes from the *eye* to the brain, to the finger. We all know heavy-handed and callous-fingered experts who will consistently outshoot all the "sensitive fingertip" boys in the game.

Where the finger rests on the trigger should be determined by the establishment of a proper *grip*. It is the position of the gun in the hand, not the position of the fingertip on the trigger that controls the performance of the gun. The proper grip consists in placing the back strap just inside the heel of the hand. This brings the barrel directly in line with the forearm and prevents the recoil from twisting the pistol around in the hand.

With this grip the trigger finger should be placed on the trigger in its most comfortable position. The same person will thus find that it falls naturally on the tip of the finger with a Hi-Standard pistol while with the Colt Officers' Model revolver the trigger will rest at the first joint, due to the difference in length from trigger to back strap of the two guns. Both trigger finger positions are correct so long as they permit the application of pressure straight back.

Probably the greatest single reason why good shots have lost matches which they should have won is poor psychology which affects trigger squeeze. Nine out of ten gadgets and superstitions are designed for the sole purpose of licking the "jitters." Because the human mind is a very queer thing and we believe what we *want* to believe, these gadgets often work to help pull a man out of a slump. If anything but good holding and squeezing wins matches, no one has found out what it is.

Actually the attempt to lick the jitters by the use of gadgets and superstitions is really an attempt to cheat and fool your own common sense. Why not try instead to attack the cause of your jitters directly?

For both the beginner and the expert, it seems to me that the best possible cure for poor psychology is the proper attitude toward the game itself. Is winning a match more important to you than the fun of shooting as a game? If it is, you may as well quit now because no one wins as often as he loses.

The old method of teaching the beginner to squeeze when the sights are correctly aligned on the bull, hold that pressure without increasing it when the sights are not correctly aligned, squeeze when right, hold when wrong, was the cause of developing a fine crop of yanks and flinches. The beginner could not expect to start out with the fine co-ordination of aim and squeeze which the expert has developed over a long period and, in his efforts to get the shot off at the right moment, his natural reflexes forced the trigger yank.

The beginner now is taught to commence increasing the pressure on the trigger smoothly and steadily as soon as his sights are correctly aligned with each other and on the target, and to keep increasing that pressure until the gun is fired, no matter how much his sights wobble. Remember that! *Keep the sights lined up correctly with each other* and continue increasing the pressure on the trigger.

Gradually, the beginner will find that he assumes a steady shooting position easily and without conscious thought. Then, he finds that his sights retain their correct alignment one with the other, even though the gun weaves back and forth across the target. Then, the weaving slows down and finally more and more of his shots go off when the sights are correctly aligned with the bull and with no conscious effort on his part.

The rest is just a matter of time and practice. By dry practicing for a half hour every day and shooting twice a week, you should get into the Master Class in two or three years. On the other hand, ten years of shooting may not be enough if you shoot only once a week on club night and forget about guns the rest of the time. Which type of shooters gets the most *fun* out of the game is something else again!

CABLE FROM NORMANDY

With the First Army in Normandy, July 16—The Battle of the Hedgerows here in Normandy is a battle of small arms. It doesn't take many days touring the battlefront to find the key man in this fighting. He's the man who dares to stalk the hedgerows, draw fire from cleverly concealed Boche, then snap-shoot his way to the next hedge. A rifle or BAR is the only thing he can carry. A field no larger than our football fields, usually smaller, but enclosed always by man-high hedges, is his battleground.

Machine guns are set up on flanks to spray the hedges and give covering fire for advance. Mortars and artillery lay down their fire ahead. But the Boche is dug in, either inside or below the bank that supports the hedge. Here he sticks it out until our advance reaches position close enough for a bayonet rush. Then he gets out and, in scattering, gives you your first sight of him and your first chance for shot. The shooting ranges are close. Most shooting is hurried. Rifle grenades, bazookas, hand grenades are used blindly on hedges where Germans may be waiting. Unless they are rushing forward, riflemen have no target to shoot at. That is the general picture. But the stalker, the scout, the man who crawls along the hedgerows or waits with binoculars for signs of movement ahead, is more valuable here than ever.

Corporal Al White, of Rutherford, New Jersey, who roams the front as a combat reporter, waited three hours to locate an enemy observer known to be directing mortar fire on our troops. Finally, silhouetted in the lowering sun, with enough light back of him to show the outline of his upraised arms, the German was spotted behind the hedge. The range was 400 yards. Corporal White gave the M1 eight clicks. No windage was required. He fired, and his observer said he made a hit. The mortar fire ceased and that night our advance showed up the dead German officer.

A battalion was held up on a slope fronting a river. Staff Sergeant R. C. Hull, of Colorado Springs, Colorado, noticed some enemy movement behind a hedgerow across the river and an opening where Germans crossed. Hull lay in position, awaiting chance for a shot. Over a period of less than half an hour he fired seven shots at Germans crossing the gap. Each shot was witnessed by either a major or a captain watching through glasses. They testified seven Germans were killed or wounded.

Then there was Private Frank R. Kasperek, of Staunton, Virginia. In an outpost of a defensive position along the hedgerows, Germans were trying to set up a machine gun on their flank to traverse a field which must be crossed in any forward movement of our troops. By working with an observer, Kasperek would be tipped off, when to expect Jerry to be crossing the gap in the hedgerow. As they came into view, Kasperek would fire. His marksmanship accounted for eight Germans during the day from this one position and that machine gun was never put into position.

There are hundreds of incidents like that on every division front. The men trust their M1's. I have heard too many complain of an occasional all-important target which the carbine will not reach. Yes, for this phase of the Normandy fighting, it's a doughboy's war, just as in Italy, and the riflemen are the men in the hedgerows.

—BILL SHADEL, War Correspondent.

LOS ANGELES EVENING REPORTER, Nov. 4, 1951:

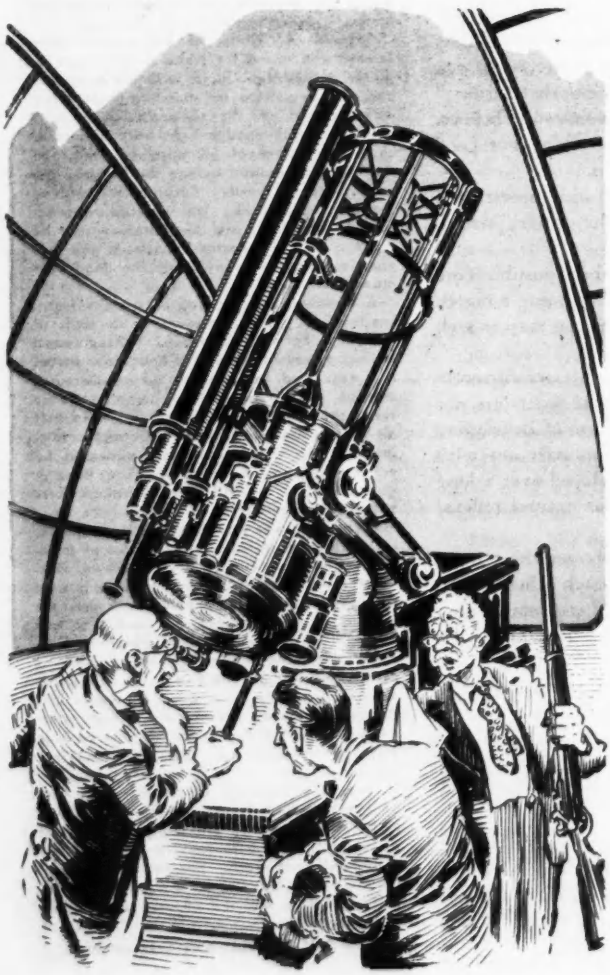
Dr. Harold J. Keith, President of the Southwestern Astronomical Society, reports that within the last twenty-four hours a meteor of unprecedented size has been heading toward the earth and is expected to land somewhere in the Southern California area. Further bulletins . . .

LOS ANGELES STAR, Nov. 4, 1951:

UNIVERSITY PROF SAYS HUGE METEOR MAY HIT HERE

RADIO STATION KYZ, 7:43 P.M., Nov. 5, 1951:

We interrupt this program of dance music to bring you the following bulletin: The massive meteor which has appeared in Southern California skies in the last forty-eight hours is definitely heading toward Los Angeles County and the near vicinity. The Southwestern Astronomical Society is making hourly reports to fire and safety departments. All residents of this area are warned to keep their radios open for further announcements.



CHARLIE'S

By Bert Glick

EVERY FALL, when things at the studio slow up and most of my time is spent staring out the window instead of at work on my usual quota of "The Black Phantom" episodes, Max calls me over to his chromium-plated offices and says bluntly, "Get the hell out for a couple of weeks and see if you can't get back in the groove."

When that happens, I throw my dirty shooting clothes and boots into the trunk of my coupe, spend fifteen minutes or so trying to decide whether to take the Enfield '06 or the new Model 70 .220 Swift, decide finally to take both, with a Colt .38 Super thrown in for good measure—and wind up inside of an hour at Charlie's.

Charlie is a horrible example of what an excess of talent can do to a man. Charlie is, beyond question, a genius. You've heard of him, of course. Perhaps you've even sent him a gun to be rebarrelled or rechambered . . . and then waited six months or a year to get it back again! If you haven't had that experience, plenty of people have; which is why Charlie is still poor.

But he's contented enough. Two cramped rooms in the back of his shop for living quarters, a battered old sedan, his tools, and his guns—are all he wants.

This time, when I drove up, Charlie was testing the trigger pull of the heaviest-looking bull gun I ever saw. I said hello to him and Charlie set the gun down and looked at me. His eyes were vacant for a moment, as if he didn't know me.

"Oh . . . hello, Dave." He looked embarrassed then, and scratched his head. "Dave, I—I'm sorry, but—I'm afraid I can't go with you this time. Got some work I can't leave."

I was surprised, to say the least. Every October since my twenty-third birthday, eighteen years ago, I've stopped in at Charlie's shop in just this fashion, and always before, Charlie has thrown his gear together, taken his amazing .197 Enfield down from the rack, locked up his shop, and the two of us have disappeared from civilization for two solid weeks. (This, too, may explain Charlie's delay in finishing that job of yours!)

A word is in order here about that .197 of Charlie's. Charlie is, as you may have guessed, a high-intensity fiend. He talked me into using the .220 Swift; but that's a mere child's toy to Charlie. Abnormally gifted with both the knowledge and the tools of gun craftsmanship, Charlie whiles away some nine-tenths of his time designing new cartridges and new loads—and then spends the remaining one-tenth building actions that will hold them! He started out, of course, by necking down the Krag case. (This, I assure you, was long before anyone else did it.) After that, there came various rimless cases—the '06, the 8 mm. Mauser, and other military cartridges—all cut down and souped up as only Charlie could do it.

It was ten years, almost to the day, prior to this day in question that Charlie reached what seemed to be the zenith of velocity from a shoulder gun. He was using a forty-grain, jacketed, .197 caliber bullet in the sharply constricted neck of the .375 H & H Magnum case. The amount of powder, and

'S COMET

Bert Glickman

Lest we start another "men from Mars" panic, we hasten to assure you that Mr. Glickman's story "ain't necessarily so." . . . But, what with rockets, secret weapons, and the ever-increasing potency of wildcat loads, a word of timely warning may not be amiss, at that!

how it was loaded, Charlie kept strictly secret, even from me.

Well, we tried this super wildcat in a massive conversion of the Enfield action on which Charlie had spent months of labor. We got an estimated 5800 feet per second velocity, and groups of five-eighths of an inch at two hundred yards.

But Charlie was reluctant to discuss this discovery with anyone but me. I honestly believe that I am the only one who ever saw that .197 Enfield conversion in action. At any rate, I can recall many occasions when Charlie rudely turned his back on wealthy sportsmen-customers and locked the gun in the private cabinet in his office, rather than let them see it.

The result was, of course, that I felt nearer to Charlie than a brother, and his refusal to join me on this occasion angered me. "Don't tell me," I said, sarcastically, "that you've decided to break the rule of a lifetime and actually do a job for one of the suckers on your waiting list! If so, forget it. The poor devil has probably used a borrowed gun for so long now that he's used to it and couldn't hit a barn with his own gun if he had it."

"It ain't that," Charlie said. "This gun I'm workin' on ain't for any customer. It's mine."

It's always an awkward moment when a friend stands, silent and uncertain, obviously debating whether or not friendship merits the disclosing of a secret. I went through that now, with Charlie. And that, in itself, told me that this was no ordinary secret. After all, Charlie had told me about his .197; had even let me fire it.

He made up his mind finally. "Come here," he said.

He picked up the gun he had been working on when I arrived. As I said before, it was the heaviest barrel I have ever seen. It must have been fully one and three-quarters inches in diameter at the breech and the action—well, massive is the word for it.

I said, "What the hell kind of a monstrosity is that, Charlie?" But he was on his way back to the machine rest, and he didn't answer me. I followed him, and stood in silence while he mounted the gun.

He had the job almost done before I caught a glimpse of the muzzle of that gun. I gasped. "Hey! What the—?" I couldn't finish the question. All I could do was stare. . . . I'd have sworn that the bore of that gun was no more than one tenth of an inch!

Then Charlie picked up a cardboard box and I saw the cartridges. They were ENORMOUS!

Charlie opened what appeared to be the bolt of the rifle and slid one of those mammoth cartridges into the chamber.

I said, "Charlie . . . are those cases loaded with smokeless powder?"

He nodded.

"And what's the diameter of that bore?"

He closed the action on the loaded shell. "Bore measures .125 from land to land," he said hoarsely.

I said, "Charlie, have you ever fired that—thing?"

He nodded. "Not with a full load, though. I tested her yesterday. Used a load about a third as heavy as she's designed to hold. Fired her into an oak log a foot thick."

I wet my lips. "And what happened?"

"Blew the log to splinters," Charlie said slowly. He looked at me then, and I saw the fine beading of sweat on his forehead.

An oak log a foot thick . . . to splinters! With one third of a full load! . . . I looked out to the end of the range then, to the butt, fifty feet distant. There was no log there now. Charlie had the gun pointed at a slab of four-inch cruiser armor. Something about that change in targets made my hair lift a little above my collar.

I said, "Charlie, is that a full load you've got in her now?"

He nodded. I looked again at those cartridges on the bench. They could more aptly be called shells! Better than a hundred grains, I figured, of smokeless powder—behind a bullet half the size of a .22! What pressures such a load would develop was something I didn't even dare to try to imagine!

He said, "I'm gonna fire her, Dave. If you want to take some distance, you better get started."

"What's gonna happen, Charlie—when you pull that trigger?"

"That," Charlie said grimly, "is what I'm fixin' to find out!"

Common sense told me that Charlie was crazy. His lips were drawn tight now, and I could see a white lump at the base of his jaw where a knot of muscle had tightened. His eyes had a weird, wild light in them.

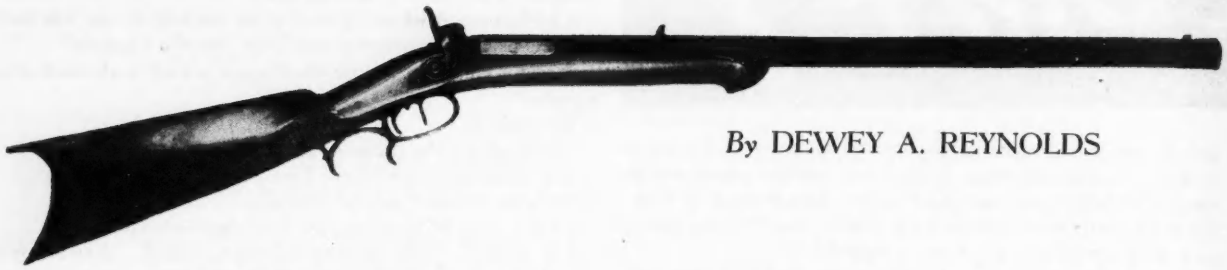
But I couldn't move. Charlie must have sensed that, for he shrugged and reached out one hand to the gun and —pulled the trigger.

* * *

We never heard the report of the shot. I suppose the sound waves cancelled—or something. There was a flash of blue flame, like lightning . . . and that slab of armor plate—*vanished!*

That's hard to believe, I know. But so is the story about the comet. I'm coming to that now. *(Continued on page 31)*

GUNS OF PITTSBURGH



By DEWEY A. REYNOLDS

ALTHOUGH GUNS BEARING the stamp of Pittsburgh, Pennsylvania, are no longer made or used, three-quarters of a century ago this city was the home of two notable manufacturing plants. The first of these was the Enterprise Gun Works, founded by James Bown in 1848. An article in "Pennsylvania Historical Review: Cities of Pittsburgh and Allegheny," published by the Historical Publishing Company in 1886, states that Bown took his sons into partnership a few years later; but the article fails to mention a partner, Tetley, who certainly was associated with Bown during the early years. "The Directory of Allegheny and Pittsburgh," published biennially at that time, lists Bown and Tetley as gunsmiths in 1850 and until 1863. During these years guns were fabricated and cutlery and other hardware were retailed. It is stated in Edwards' "Industries of Pittsburgh" (published in 1887) that Tetley was Bown's partner when the Enterprise Works was started in 1848 and that this partnership continued until 1862. Bown was born in England, emigrated to this country at the age of ten and came to Pittsburgh in 1843. Tetley left the firm about 1862, for the Directory of 1863-64 lists James Bown as sole owner. The business was continued under his name through the year 1870. In 1871, a son, W. H. Bown, became a partner. The business continued under the name of James Bown and Sons until 1896.

First mention of Bown's other sons as partners is made in 1880, when the firm name was "James Bown & Sons, Ltd." The sons' initials were W. E., E. F., and J. W. At this time the firm manufactured firearms in a three-story brick building on Grant Street near Seventh Avenue.

James Hampton Johnston founded the second Pittsburgh gun factory which was later called "The Great Western Gun Works." Johnston was born in 1836 in Waynesboro, Pennsylvania, where he learned the trade of gunsmithing. That he learned it well is proved by his work. It is probable that he came from a family of gunsmiths. John H. Johnston, born in 1811, also engaged in that trade in Waynesboro, Pennsylvania. James H. Johnston moved to Pittsburgh in 1860 and was appointed master armorer at Pittsburgh Arsenal, where he served with distinction throughout the Civil War period. He founded a small gunsmithing business in 1866, but lost it in a fire two years later. Although his capital was exceedingly small, he reopened his business, and it expanded rapidly. "Manufactories and Manufacturers of Pennsylvania of the 19th Century," (Galaxy Publishing Company, Philadelphia) states that the Great Western Works was the largest manufacturer of firearms west of the Alleghenies in 1874. "The Pittsburgh Directory" lists the Great Western Works through the years 1883-1890 and gives James H. Johnston as proprietor. In 1891, the firm name was discontinued but Johnston was listed as a gunsmith. He is mentioned in the directory for the last time in 1892.

The writer owns five rifles bearing the name of the Bown or Enterprise Works, and one rifle made by Great Western. Four of the Enterprise rifles are shown in the accompanying illustration. All are well made, with octagon barrels, similar fore-action locks, double-set triggers, and half stocks. The barrels are browned exceptionally well but no two have identical rifling. The firm name is stamped at an angle with the bore and the figure of a buck deer (Enterprise trademark) is inscribed on each barrel.

Four Enterprise rifles, made by James Bown, Pittsburgh, 1848 to 1896, are pictured on the opposite page. Reading from the top down, descriptions are as follows:

Number 1: Barrel is one x thirty-five inches, .32 caliber, with six grooves. Stock is walnut with cheekrest and brass-tipped fore-end. Lock is ornamented with leaf design. Sights are notched-bar rear and brass-blade front. Thimbles are iron, browned to match barrel. The identifying marks, all on the barrel, are: "James Bown & Son—Pittsburgh, Pennsylvania—Enterprise Gun Works." The figure of a buck deer is inscribed between the words "Enterprise" and "Gun." The number 140 is stamped on the muzzle end of the barrel.

Number 2: Barrel is one and one-eighth x thirty-six inches, .50 caliber, with seven grooves. Stock is cherry with cheekrest and lead tip. Lock is plain, two iron thimbles, browned; brass-blade front sight and notched-bar rear; brass ferrule at fore-end of stock. Lock is engraved and the firm name, "Bown & Tetley," is inscribed in an oval thereon. Markings on barrel:

ERROR . . . NO ALIBI

Mr. Charles Ritts, Jr., who took the pictures illustrating Captain John Diefendorf's article, "Japanese Small Arms," in our July issue, is the first to write us concerning our error in describing the rifle pictured on page twenty and at the bottom of page twenty-one as the "Japanese Model 38 rifle, 6.5 mm."

In both pictures, the rifle is, of course, a Japanese Model 99, 7.7 mm. or .303 caliber, with the shorter twenty-four inch barrel, which cuts the rifle's over-all length to forty-four inches.

This mis-labeling of photographs was entirely our error and not at all the fault of either Mr. Ritts or Captain Diefendorf.

"US & Co.," "Enterprise Gun Works," and buck deer. This rifle was made before 1862, during the period that Tetley was a partner in the firm. The marking "US & Co." differs from the other and it may have been made after the gun left the Enterprise factory.

Number 3: Barrel is one and one-fourth x thirty-three inches, .50 caliber, with eight deeply cut grooves. The muzzle is turned round for a bullet starter, which is constructed of brass and walnut. The stock is walnut and the patch-box cover has a push-button release. Sights are peep rear and hooded-post front. Lock is ornamented but has no identifying marks. Barrel is stamped: "Bown & Tetley—Pittsburgh, Pennsylvania." This barrel also was made before 1862.

Number 4: Barrel is one and one-half x thirty-five inches, .55 caliber, six grooves, muzzle turned for bullet starter which is missing. Stock is walnut with checked grip, cheekrest, and oval brass patch box. Lock is plain; sights are adjustable peep rear and hooded post front. Barrel is stamped: "James Bown & Sons, Makers, Pittsburgh, Pennsylvania," and bears the figure of a buck deer. This rifle weighs eighteen and one-half pounds.

The writer's Great Western rifle, pictured at the beginning of this article, is a real oddity. It is constructed to shoot only BBB shot. (This is a standard size of shot slightly larger than BB.) It has an octagon barrel one and one-eighth x twenty-five inches, a walnut half stock with checked grip, a back-action lock, and double-set triggers. The barrel is stamped: "Great Western Gun Works," "J. H. Johnston—Pittsburgh, Pennsylvania." A nipple for percussion caps is placed at the center of the bore and seven inches from the muzzle; the firing pin is eighteen inches long and extends from the hammer, to which it is connected, to the nipple. Gunpowder was not used, as the explosive force of the cap propelled the shot with sufficient force for shooting at short range. This type rifle is said to have been used to settle arguments concerning rifle prowess between patrons of old-time saloons, matches being fired on a ten- to fifteen-foot range in a back room. They had rifled barrels and were highly accurate at these short ranges.

—U. S. Army Photo

THE COVER

The kodachrome portrait on our cover this month is, we believe, the best character study yet made of the man on whose strong shoulders rests the major responsibility for the success of our attack on Hitler's Europe.

General Dwight D. Eisenhower, Commander in Chief of Allied European forces, is a rifleman and a strong believer in the military value of individual rifle marksmanship. He states this belief emphatically and concisely in a letter from which we quote:

"Any young man who has ahead of him prospective service in the armed forces will do well to learn all he can about the rifle. If he can become a really capable rifleman, so much the better. . . The one weapon that every man—soldier, sailor, and airman—should be able to use effectively is the rifle. It is always his weapon of personal safety in an emergency, and for many it is the primary weapon of offense and defense. Expertness in its use cannot be over emphasized. . . . If you are bringing this kind of training and knowledge to the men who will one day become either officers or enlisted men in any of the armed forces, you are doing them, and the country, a service of inestimable value. I wish you luck!"

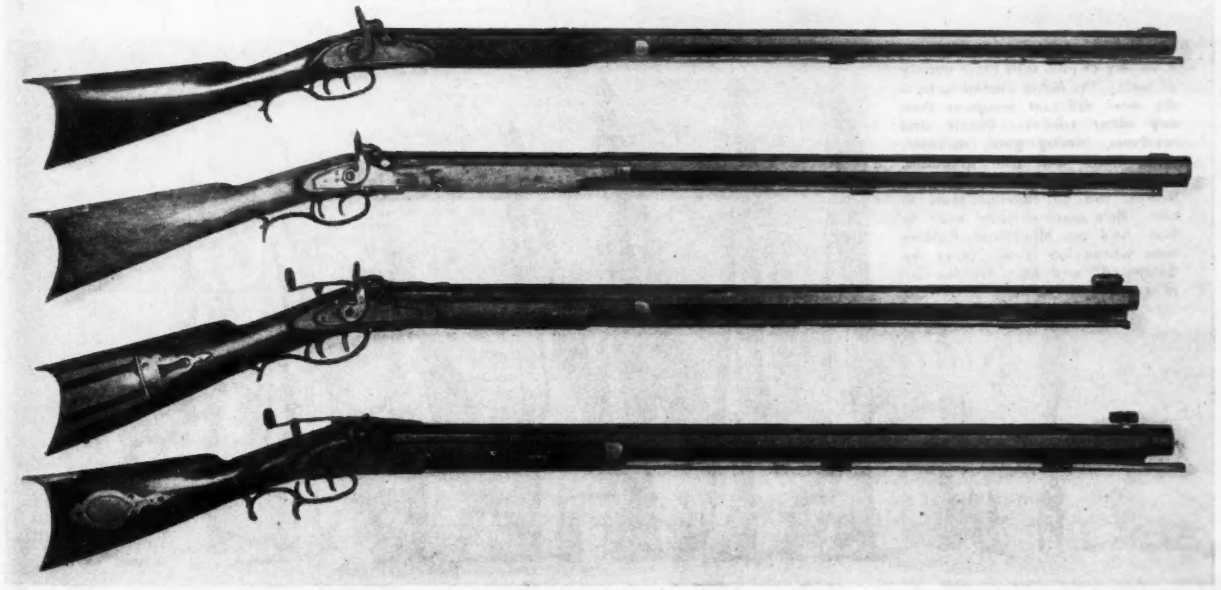
General Eisenhower is by no means alone in this belief. General Pershing, in World War One, General Marshall, General Vandegrift, General Edson, and many others in high command have urged the importance of rifle skill.

In fact, no man can reach the rank these men hold—no officer of any rank can command ground troops in combat—and retain any doubt whatever that the essence of success in any war lies in the efficiency of "the man with the rifle."

General Eisenhower said, too, in a much more recent message, that this war still has a long and arduous course to run; that greater battles are to come; that efforts of those at home must not be relaxed if those battles are to be won.

There, then, is the message to us: more men are needed, and will be needed. Those men must be trained to shoot. A part of the responsibility for that training is ours! This is no time to ease up on our Small Arms Firing School program! This is the time to bear down, harder than ever before!

We salute you, General! And we promise you—more riflemen!



"Conceived by the General Staff of the Army of the United States. . . . Born, September 26, 1941, in Washington, D. C. . . . Baptized in powder smoke on the fighting fronts of the world!"

SO, IN THREE SHORT SENTENCES, can be summarized the Corps of Military Police—the men who wear on their left arms the blue brassard with the white letters, "MP." But no such summary can do justice to the work these men do; for the blue brassard today stands for far more than it did in the past, and the men who wear it are picked men, highly trained in the multitude of jobs they are required to perform—jobs that take them, often, into the forefront of the fighting.

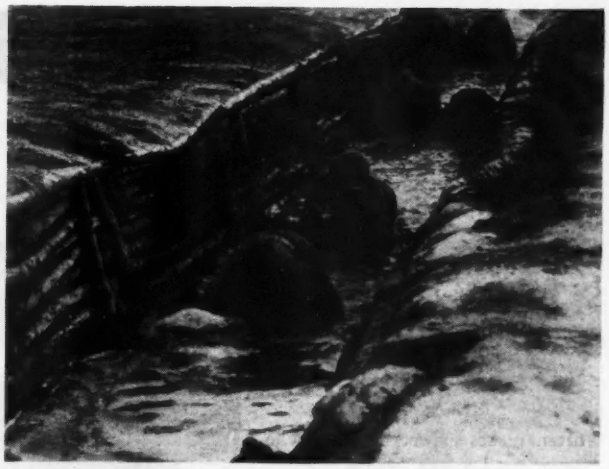
Many people, including some in uniform, think of MP's merely as soldiers with arm bands who police railway and bus stations, and who keep GI Joe out of places he wants to go in the cities. He's far, far more than that! He's a public relations man between soldier and civilian, a protector of Government property, a traffic officer, a policeman, and a first-class combat soldier—Jack-of-all-trades and a specialist in each. Or, as a front-line officer had occasion to remark in the midst of a recent engagement, "Anybody who low-rates the MP's is nuts! They're picked men to begin with, and their training starts about where the ordinary Commando training leaves off!"

Simply stated, the duties of MP's are: To guard everything

A variety of jobs calls for a variety of tools. The MP is trained to handle more different weapons than any other soldier. Pistols and revolvers, tommy guns, carbines, rifles, hand and rifle grenades, mortar- and hand-thrown gas bombs, are all familiar tools to him. He's good at judo, too. In fact, he's an all-around fighting man whose job is to "serve the Command" and keep GI Joe out of trouble, at home and abroad.

that belongs to the Armed Forces—from the smallest item in the equipment of a serviceman to the gigantic arsenal that made possible the invasion of Hitler's European fortress. But behind that trite language lies all the action and the drama of war. Take, for instance, such a peaceful-sounding job as traffic control. You picture a soldier standing at a road intersection, waving cars and trucks on in either direction. But it's not that simple when the trucks are loaded with ammunition and supplies for fighting units when the road is only a muddy rut, heavily mined, and only a few hundred yards from the fighting front, with enemy howitzers shelling and enemy bombers strafing the intersection—and you! MP's have won the Purple Heart, or a posthumous decoration for valor, on just such an assignment. No, it's not simple; not even safe.

Then there are such "safe" jobs as guarding and processing prisoners of war; criminal investigation; law enforcement and administration; military government in occupied territory; guerrilla warfare, and combat policing. Prosaic work, eh? Yet four MP's, part of a detachment with the command of General Frank Merrill, known in the Far East as "Merrill's



The last ditch in "battle conditioning" teaches the MP to keep his head down. Live ammunition from deadly machine guns offers ample incentive.

The sensitive ears and noses of the K-9 buddies of the MPs, their courage and strength, and their loyalty and companionship are invaluable.

To be "taken in" by an MP is no disgrace. They're trained for it. They are taught to discourage violence by the scientific application of painful but harmless force.

MP's WAR

By LT. DALTON W. LAIN, CMP

Marauders," once scored twelve Japs killed in one engagement.

These jobs call for well-disciplined, intelligent men, trained first as soldiers, then specially trained to carry on specific MP duties. Everywhere today, for example, the MP's are noted for their skill with weapons. The different tasks they have to do call for the use of different weapons. That is why the MP is trained to fire expertly and to care for more different small arms than any other soldier! When the MP finishes his course at the Military Police Replacement Training Center at Fort Custer, Michigan, he is an expert in the nomenclature, care, and range and combat firing of the .30 caliber U. S. Army carbine, the .30 caliber M1 (Garand) rifle, the Model 1903A3 rifle, the Thompson submachine gun, the riot shotgun, the .45 caliber pistol, the .45 caliber revolver, and the .30 caliber light machine gun. For each weapon the training starts with hours of instruction in assembly, disassembly, and care and cleaning. This is practical work, with each soldier performing the operations involved, at first under the supervision of officers and noncommissioned officers, then by himself. This is followed by many hours of "dry firing"—for years of experience have taught the Army that the good rifle shot is not necessarily made on the range: that sighting and aiming, trigger squeeze, positions, breathing, and rapid-fire timing can be and should be taught before the trainee ever sees the range or fires a round of live ammunition. But the range comes next!

After a few practice rounds, each man fires a course. The score qualifies him as expert, sharpshooter, marksman, or just plain "Bolo"—but the man who "bolos" is ostracized by his fellows; so much so that he is more than willing, even eager, to put forth extra effort to attain his qualification. There are, however, remarkably few "bolos." The course of pre-firing instruction

The MP is thoroughly grounded in all weapons and their handling. Hours of dry firing follow a complete course of instruction in the assembly, disassembly, care and cleaning of small arms. Experience has taught the Army that a good rifle shot is not necessarily made on the range: that sighting and aiming, trigger squeeze, breathing, positions, etc., are important.

often makes experts of men who never fired a gun before.

This instruction in range firing is given to all men in the Army; but the MP's preparation goes several steps further. After his work on the range, the trainee is given lectures in the technique of unit firing. Through these lectures he learns what effect squad firing as a unit will have on a target of varying width and depth, and what each man's job in the squad is in order to cover the target effectively. He learns the value of enfilade fire, and how to interpret and to give fire orders. Then this instruction, too, is put into field practice. On ranges specifically prepared to give realism, the trainees are organized into squads which fire at silhouette targets under actual fire orders. These include shifting the fire to other targets, and engaging surprise targets. The MP learns here to be a part of a fire unit, to work as one of a team.

But that's not the end. Next, he is instructed in firing each weapon under close combat conditions. The emphasis now is on speed. He is taught and allowed to practice the positions that are assumed more or less naturally when confronted with a surprise target at close range. Shifting of fire quickly is important. The MP learns that firing the first shot, even if not too well aimed, may mean the difference between coming home or not coming home. He learns that, at close quarters and with the right firing habits learned now, his quick shots can be remarkably accurate.

A leap from the upper story of a house in the village fighting course in "Little Berlin."

Then comes the climax of his training. The embryo MP goes to "Little Berlin." This is a small village typical of those to be found in virtually any combat area. It is a training area designed not only to give the trainee practice in the use of his weapons under all conditions, but also to teach him the technique of house-to-house fighting and to condition him to the sounds and excitement of battle with bullets really flying in all directions. "Little Berlin" is fully equipped with land mines, machine guns firing live ammunition, booby traps, and all the other surprises which the enemy might be expected to spring.

The village is so laid out that at the ends of some streets are low buildings housing fixed guns and a control board for land mines. These land mines are fashioned with one-half pound of TNT. The

Naked bayonets in the hands of steadily advancing men provide an effective antidote for rioting. Few mobs are determined enough to stand against such formations. This is another phase of the training of this capable organization designed to restore and maintain the peace of this world.

signal for an explosion is a whistle, like that of an artillery shell; an ingenious pyrotechnic that simulates the sound of a heavy shell whistling through the air. An officer mans the machine gun while another is at the mine control board handling the sound effects.

A group arriving at "Little Berlin" is divided into twelve-man teams. These teams are in turn divided into attacking units of three men, each armed with a carbine, a Thompson submachine gun, and a pistol or revolver. After a complete orientation and a "dry run," each unit is placed at the head of a street in prone position. The signal for attack is a land mine blast and all units jump a crouching run. The machine gun starts to chatter down Wilhelmstrasse—and the man who, despite warnings, runs into the street, may land in the hospital.

To prevent such accidents, a trained man is assigned to each unit before the attack. He controls the fire of all men in his team. He also pulls ropes that spring surprise targets. He it is who assigns a man armed with the carbine to "get" an attacking tommy gunner from a roof top, and so on. The men work forward by bounds, each covering the other as he advances, avoiding exposure to enemy fire, crouching under windows, entering the houses quickly, moving along with backs to walls, applying all the principles of cover they have learned. Land mine blasts and the whistle of artillery shells are heard constantly as the attack progresses. And, all the time, that machine gun is chattering, spitting slugs down the street.

It takes about seven minutes for the twelve-man crew to go through the village. When they reach the other end, each man knows how it feels to have machine-gun bullets ping near him, how it feels to fire live ammunition at surprise targets in windows or on roof tops, how it feels to fight his way forward against visible and invisible dangers, with men behind him and beside him carrying loaded guns. Each man comes out of the experience more confident of his ability to keep his head when the real thing comes along.

This training in weapons is only a part of the modern Military Policeman's training. In addition to being able to perform combat missions with the best of the Infantry outfits, the MP must know how to control traffic under all sorts of conditions. To this end, he is trained in the preparation of traffic control plans. These plans must be complete to the last detail so that the vast movements of motorized units and supply vehicles behind the lines will not conflict; so that traffic congestions do not occur in situations where bridges are apt to be blown out or roads destroyed, or changes in the tactical situation demand the speedy movement of a large number of vehicles on short notice. The actual preparation of these plans is, of course, a function of the higher staffs, but the MP must know enough about how they are prepared so that he can carry out intelligently his part in the execution of the plan.

He must have, too, practical experience in handling traffic. Each man does his turn at standing in the intersection of some of the busier streets on the post. Later the trainees are taken off the paved streets of the post and to a training area with a system of roads laid out so that practically all of the possible types of road intersections are included. There, while some men are getting driver training, others are learning to direct traffic under varying conditions. Traffic congestions are deliberately caused, giving the men experience in working out situations as they arise. All is designed to carry out one of the dicta of the Military Police. "Keep traffic moving safely"—and traffic does not mean pleasure cars in a city street.

One of the biggest jobs of MP's is handling prisoners of war. In this work, the responsibilities are of international importance. The actions of a private in the MP's could involve our country in a dispute concerning prisoners of war in our care which might lead to reprisals against American soldiers in the hands of the enemy. Every man who bears part of this responsibility knows the rights of the prisoner and of the capturing country, and each MP is given thorough instruction in the Rules of Land Warfare laid down by the Geneva Convention.

Later in their training, some MP's are given special instruction in the processing of prisoners of war. Processing means that a complete set of records is prepared and maintained for each prisoner taken. Not only is this done to enable us to keep accurate check of the prisoners in our custody, but also to

Hard-bitten MP's spurn the obstacles of the village fighting course, "Little Berlin," sail over, under or through them as occasion demands.

furnish to the International Red Cross or to the enemy through its Protecting Power, information on the whereabouts and state of health of the captives. By doing this, we, in turn, can demand speedy and accurate information about American soldiers in the hands of the enemy.

Prisoner of War Processing Companies are organized to work in the field, as close to the front lines as practicable. Other units, called Prisoner of War Escort Guard Companies, evacuate prisoners from the combat zone and guard the prisoners' enclosures and camps all over the world. In the recent invasion of France, some prisoners were taken within the first few hours of landing. MP's were on the job on the beaches, under the same enemy fire as the invading combat elements.

Another duty performed by MP's in the combat zone is the control of stragglers. In the confusion of battle, men often become detached from their units, some by honest errors, some by design. The MP's set up what is known as a straggler line behind each unit engaged in combat. This line is a series of posts placed along the natural line of drift to the rear. Patrols operate between the posts. They check on men moving toward the rear to determine if they have bona fide reasons for such wrong-way movement. MP's act as information posts for men who have honestly become lost. Those who seemingly have become lost on purpose are detained, whatever their reasons may be for being away from their units. Gathered into groups, they are escorted back and turned over to their unit commanders.

(*Continued on page 26*)

ture, it will kill by suffocation or blood drowning. Thus the rifleman using the .22 Hornet or Swift hits a deer at two or three hundred yards with a tiny pill that rips the lungs enough to cause the animal to bleed to death in a short time, and says, "Why should I pack a cannon when this kills just as well?" (For that matter, many bullets of larger caliber do no better because they are not constructed to open up properly at the lower velocities usually attended with longer ranges, and sometimes not even at close ranges unless heavy bone is struck.)

What such hunters fail to consider is the fact that killing is not necessarily humane just because the game eventually dies and is carried home by the hunter. Killing is humane only when death, or shock sufficient to cause unconsciousness, is instantaneous. It is my belief that a hunter has no right to inflict injury on an animal, to cause it fear and suffering for even a few minutes, when he can prevent that by using bullets sufficiently powerful and so constructed as to make that power effective in rendering the animal instantly unconscious. That belief explains my addiction to the deadly .300 Super-Magnum.

Why Don't People Tell Us These Things?

By E. BADEN POWELL

THE ARGUMENTATIVE TRIUMVIRATE was in session, out at Ralph Miller's ranch. Bill McAllister was checkering a stock. Ralph Miller was polishing the chamber of my Model 70, destined later to become the first .300 PMVF Magnum, while I was carefully putting together some "case warming" loads for the next test. Mac, who had the floor, was extolling the virtues of the .250 Magnum.

Mac is a .25 caliber addict, and has been since the days, a quarter of a century ago, when he adopted the .256 Newton in the Northwest. As a hunter, trader, and trapper it served him well. With the 129-grain bullet, handloaded to the limit, he found it ample for all animals up to the size of deer, killing humanely at any range at which he could hit them. And on wild horses and burros, of which Mac has had to kill several thousand for fox-farm food, the gun was as deadly as a cannon so long as shots were confined to the head or neck. On predators and varmints, after using all calibers from .22 rim fire to .58 muzzle-loaders, Mac sticks strictly to the .25 at high velocities. In fact, Mac uses the .25 for all of his shooting, short of dangerous game, merely confining his shots, on animals heavier than deer, to the head and neck, or else letting them go unmolested.

Mac was feeling pretty cocky because, on this particular day, his .25 Magnum had shot through a half-inch of "bullet proof" homogeneous armor plate on which the .300 Miller-K had not been able to do any better.

Earlier in the day, I had put in my own two cents' worth to the effect that what deceives so many shooters whose experience in shooting heavy animals is limited, is the fact that any instrument—whether it be knife, spear, arrow, or bullet, and regardless of caliber, size, weight, shape, velocity, or energy—that penetrates an animal's brain or forward spine will almost certainly kill immediately. Even if it hits an animal's lungs, if it penetrates sufficiently to cause hemorrhage from the puncture, it will kill by suffocation or blood drowning. Thus the rifleman using the .22 Hornet or Swift hits a deer at two or three hundred yards with a tiny pill that rips the lungs enough to cause the animal to bleed to death in a short time, and says, "Why should I pack a cannon when this kills just as well?" (For that matter, many bullets of larger caliber do no better because they are not constructed to open up properly at the lower velocities usually attended with longer ranges, and sometimes not even at close ranges unless heavy bone is struck.)

What such hunters fail to consider is the fact that killing is not necessarily humane just because the game eventually dies and is carried home by the hunter. Killing is humane only when death, or shock sufficient to cause unconsciousness, is instantaneous. It is my belief that a hunter has no right to inflict injury on an animal, to cause it fear and suffering for even a few minutes, when he can prevent that by using bullets sufficiently powerful and so constructed as to make that power effective in rendering the animal instantly unconscious. That belief explains my addiction to the deadly .300 Super-Magnum.

Ralph, who is a rabid .22 Magnum man, was muttering in his beard about "cannoneers (meaning Mac and me) who fail to realize there's a war going on and shoot as much powder and metal in one round as should feed a respectable gun all day!" Ralph was a little more than usually bitter on the subject, possibly because his .22-.348, loaded with his hottest load, had managed that morning to penetrate only the three-eighths-inch plate, and Mac and I had made gleeful derogatory comments about "piff" guns trying to do a man-sized job.

About that time, Ralph's enormous dog cut loose with a vociferous warning, and we all looked up to watch a big black Packard pull up the driveway. The car door opened and out stepped Mr. E. G. Little. "Industrious looking trio," he greeted us. "What's news?"

We told him. He stood silent for a moment and then, with a sparkle of mirth in his eyes, said slowly, "I often wonder what the world is coming to. Speed and more speed! Where will it end? Here you are, the three of you, each trying to make his pet gun faster, more deadly. Each of you probably has some worth-while ideas. But do you realize that only a small percentage of the millions of hunters in this country can possibly obtain your experience concerning the effects of firearms on heavy animals? Not many hunters can afford the costly custom-made guns required to produce the superaccuracy you talk about. Not many men can afford to keep changing guns until they find the one super-duper you guys are trying to make or find. You say you are doing all this for the ultimate benefit of the average shooter; that you hope eventually all shooters can be provided with proper arms, etc. But it seems to me that you have overlooked something important, something that could do the shooter some good *now*, with the guns they own *now*; something that would help conserve our game animals *now*."

He had that gleam in his eye; the gleam that is a sure sign of a man with a message.

"All right," we said. "Give out! What are these words of wisdom?"

"You guys," Little said, "like all other shooter-writers advocate sighting in a rifle before going afield. Put up a target, you say, and fire a string of shots from a prone or rest position for a group. Change the sights to bring the center of the group to the desired point on the target. This, you tell 'em, is sure to result in 'meat in the pot,' provided the shooter holds and squeezes in the approved manner. But does it? No; not for Mr. Average Shooter using the rifle he uses. Why?"

Mac and I looked at each other, puzzled. Ralph grinned. "He knows something," I thought; but I forgot that instantly as old man Little stalked over to the gun rack. He picked up his featherweight .25 Magnum, and our eyes followed him as he eased himself down into a chair by the table, brought the rifle to his shoulder, and aimed out across the field. An instant later the rifle cracked. A small cloud of feathers floated toward the ground out yonder by the fence, and Mac and I instantly decided that it was worth while stepping off the distance. It was ninety-three steps from the porch to where that butcher-bird lay, a bundle of feathers and a head wearing that powerful, cruel, carnivorous beak.

"Nice shot," Mac commented. "Lucky shot," I said; for I knew that Little hadn't been out for a couple of weeks and his rifle had stood in the rack all that time. He hadn't even wiped out the bore before firing.

I said it again, to Little himself, when we got back to the porch. "It was a lucky shot," I said. "Bound to be—centering a tiny target like that, at that distance, with the first shot from a cold barrel."

The old man grinned. "It's all in the know-how," he said. "Here; I'll show you." He walked to the back shed and seated himself at the shooting bench, glanced through the spotting scope in search of a clean bull on the 100-yard butt, steadied his arm across the bag rest and touched off one shot. The bullet cut the X in the center of the target.

I went back to the bench to finish my loading. He followed me in, asking questions about the components I was putting together. A few minutes later he glanced at his watch and said,

"I'll be back in a few minutes; forgot a package I promised to fetch for Mrs. Miller."

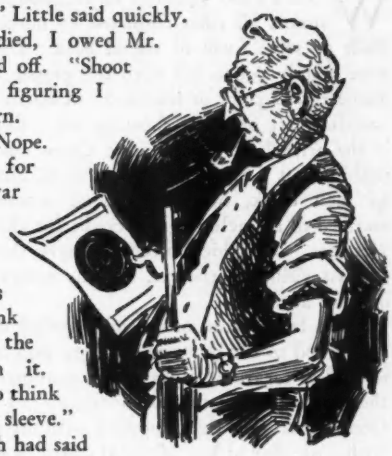
A bit later we heard, again, the crack of that .25 Magnum. Little was at the shooting bench again; but not for long. He strode through the shop with a package under his arm. "What did you shoot at that time?" Mac asked him. "Oh, just at the targets," Little said, carelessly.

He came back shortly and went back to the bench. Another shot cracked. Mac's curiosity got the better of him, and he walked over to the spotting scope.

"Holy cow!" Mac's yell brought me over beside him. "Take a look at that!" Mac said, and I set my eye to the scope. The three shots lay in a triangle separated by the width of a bullet.

"I'll bet a buck you can't connect 'em with a fourth shot," I said grimly.

"I'll take that bet," Little said quickly.



When the echoes died, I owed Mr. Little a buck. I paid off. "Shoot some more," I said, figuring I had something to learn.

Little grinned. "Nope. That's my quota for today. There's a war on, you know; got to conserve my ammunition. But—you might like to try this rifle. Maybe you think there's some trick to the way I shoot with it. Wouldn't want you to think I had anything up my sleeve."

All this time, Ralph had said nothing. That, in itself, was suspicious, and I knew it. But the bullet holes in that target weren't put there by magic, and I was hooked.

I fired my five shots from the prone position, over a sandbag rest. Mac called them from the spotting scope. The first was a ten at six o'clock; not so bad, considering. The second was a ten at one o'clock. That puzzled me; judging by Little's exhibition the group should be tighter than that. The third shot was a nine, at two o'clock.

I looked at Mac, doubting his call. He met my gaze and grinned. I set my teeth, determined to make the last two good. The fourth shot was an eight at three o'clock. The fifth——.

"I don't believe it!" Mac said. "It's a seven at four!"

I started to swear; stopped abruptly as a car door slammed shut. Mr. E. G. Little was gone.

It was Ralph who unveiled the mystery. "You, my friend," Ralph said gently, "have been hornswoggled! You've been had by a fox. He's been setting that trap for you for weeks; and did you step into it!"

"But how?" I said. "Judging by the group I shot, that damn featherweight rifle wouldn't group in a barn door! How did he do it?"

"Old man Little," Ralph said, "has been watching you shoot, and listening to you talk. What set him off was when you said, 'To hell with one-shot groups! It's ten shots that count! If they don't stay within two minutes of angle, I let the suckers buy them.'

"That got the old man's goat. He decided to teach you a lesson, and to make that lesson pointed enough so that maybe you would put it into practice where it would benefit a multitude of shooters. That lesson is this:

"Far more game is hit by the first shot than by the second shot, or the third, or the tenth—*and the first shot is always fired through a cold barrel.* Therefore, hunting rifles should be sighted in the way old man Little fired that group of his, letting the barrel cool between each shot so (*Continued on page 25*)

Aperture Front Sights

By ROBERT O. SINCLAIRE

WHEN I FIRST STARTED target shooting, the front sight on almost all rifles consisted of nothing but a rectangular blade or some form of round bead. Discussions about sights were mainly concerned with the proper width of the blade or diameter and color of the bead. A bottle of sight black was an essential part of every shooting kit. Vividly remembered still is the arrival of the "Marine Corps" front sight. This was nothing but a Springfield front sight blade about one-tenth of an inch thick, but all sorts of wonderful properties were ascribed to it, including the credit for the Marines' Camp Perry victories. The thick blade did have the solid merit of being at least visible to the eye, and my scores really were improved on that account.

Years later, after an extended period of residence in France, I returned to the shooting game to find it rife with all sorts of new ideas regarding sights, each guaranteed to put them all in the ten ring. Not the least intriguing of these was the aperture front sight. The sight supplied with my new rifle was equipped with a number of bits of metal called "inserts" and "apertures," with holes ranging from very small ones to others that seemed very large. No explanation of their purpose was furnished, and some experimenting seemed in order.

Naturally, I thought, the thing to do would be to use the aperture which would exactly encircle the bull's-eye, leaving as little white as possible. This seemed to me to be a wonderful idea; but, when I tried it on the firing line, my shots spread all over the target! But I kept plugging, day after day. Once, just for the hell of it, I tried the old blade sight again—and to my chagrin, my score improved. But that must, I thought, be due merely to the fact that I was used to the blade sight, so I kept trying.

One day, one of the other shooters tried my gun for a few shots, and came up with the idiotic suggestion that my front aperture was too small. This could not possibly be right, I thought. I had reamed out that hole until it was a perfect fit for the bull's-eye! However, on the theory that I might as well try anything once, I put in the largest aperture in the set. The results were little short of astonishing, even if they didn't make any sense in theory. Groups got smaller immediately and those unexplainable wild shots decreased in number. Why?

My own experience has been repeated in one case after another over the last few years at our range. New shooters, practically without exception, insist that the smaller the front aperture, the better the shooting; and everybody agrees, except the target. Having made a fairly extensive study of optics, I gave the problem some serious study.

To begin with, it is quite well established that the resolving power of the human eye is about one minute of angle. This means that two points or lines begin to be seen separately only when they are one minute apart, and that the average eye cannot appreciate the thickness of a line that is less than one minute wide. One minute equals approximately one inch at 100 yards. (In shooting, it is considered to be exactly one inch at 100 yards.) In other words, a person with good eyesight can see distinctly a line one inch wide on a target 100 yards distant. But—all eyes are not that good, and even the best eyes would be under very severe strain if required to focus on such a line for any length of time. It has, therefore, been found by experiment that we must use a line two minutes to four minutes (or even more) in width if we are required to look at and study it for some time.

This fact bears a very definite relationship to the aperture front sight. Here we are trying to center a circular black bull's-eye inside a black ring, leaving a ring of white between the two. Obviously, this white ring must have uniform width at all points of its circumference. When the bull's-eye is perfectly centered in the aperture, all we have to do to hit the ten ring is to fire the gun without disturbing this equality. The scores returned by thousands of shooters demonstrate that this operation can be performed by the eye quickly and with incredible accuracy over and over again, provided we use a white ring sufficiently wide to be seen clearly.

As a matter of fact, an expert rifleman, firing at 100 yards, will move his sight by the very small amount of one click, which represents only one-fourth of an inch at this range, and will expect to see a definite change of his group center by that amount on the target. This quarter-minute change is far less than the eye can perceive by itself, but when given a fair chance, the eye can attain far more than this degree of precision. No exact tests appear to have been made on this phase of the matter, but scientific investigations of the ability to read an index mark on a dial or scale show that this can be done with an error of perhaps one-tenth of a minute of angle. It is likely that a black bull's-eye can be centered in an aperture ring with equal or greater precision; but the aperture must be large enough to provide a white line at least four minutes of angle in width, around the bull's-eye.

The table on the opposite page shows the diameter, in inches and in minutes, of the aiming

"Slow down, yuh jerk! D'yuh wanna *hurt* somebody?"

bull's-eyes in common use. To get a white ring four minutes wide around the bull's-eye, add twice four, or eight minutes, to allow for both sides of the ring, to our bull's-eye diameter in minutes. This gives us the values in Column 4 of the table. Since the shooter's minute equals one inch at 100 yards, the minute is equivalent to .010″ at one yard; so we multiply the values in Column 4 by .010″ to get Column 5, the correct size aperture to use when the front sight is one yard from the *eye*. (Do not confuse this with the sight radius. What counts here is the distance from aperture to eye.)

With the .22 caliber match rifles in common use, the front sight will be sufficiently close to thirty-six inches from the eye for all practical purposes and the apertures specified in Column 5 will, therefore, be correct in most cases. On some rifles with short barrels, individuals may prefer to reduce these values a little. This, however, is *not* because good shooting cannot be done with an extra-large aperture, for it can; but too large an aperture may overlap the edge of the target or interfere with adjacent bull's-eyes, making a lopsided effect harmful to accurate aiming. In such cases it will be found preferable to use an aperture just enough smaller to eliminate the interference.

Range and Target	*Aiming Black*		*Add 8 min.*	*Size aperture, advised in inches*
	inches	*minutes*		
1	2	3	4	5
200 yds.....	12.00	6.0	14.0	.140″
100 yds.....	6.00	6.0	14.0	(#28 drill)
50 yds.....	2.89	5.8	13.8	
50 meters.....	5.51	10.1	18.1	.175″
25 yds.....	2.335	9.3	17.3	(#17 drill)
50 ft.....	1.483	8.9	16.9	
Army—				
SB–A–100 yds....	5.00	5.0	13.0	.125″
A–200 yds.....	10.00	5.0	13.0	(1/8″ drill)
–300 yds.....	10.00	3.3	11.3	
B–500 yds.....	26.00	5.2	13.2	
–600 yds.....	26.00	4.3	12.3	
C–800 yds.....	36.00	4.5	12.5	
–900 yds.....	36.00	4.0	12.0	
–1000 yds.....	36.00	3.6	11.6	

As a matter of fact, first-class shooting can be done with no aperture at all in some sights. The writer has often fired ten shots into the ten-inch Army A bull's-eye at 200 yards (bull's-eye equals five minutes) with no aperture at all in a Vaver front sight, in which, on a short-barreled Springfield, the ring of white so seen is twelve minutes wide. A normal-size group in the center of the bull's-eye is easy to secure under such conditions. (Here we have a single bull's-eye on a large target, so there is no difficulty with interference from the frame.)

The values given in Column 5 of the table also bring out the fact that it is needless to split hairs and use a different size aperture for bull's-eyes that differ only slightly in angular size. We have assumed the necessary width of the white ring to be four minutes, but this could just as well be three and a half or four and a half minutes. For example, in practice the fifty and one hundred-yard bull's-eyes call for the same aperture, and the .136″ supplied with some makes of front sights will do as well as .140″. At fifty meters, where an absurdly large aiming bull is used, the best size aperture is .175″. Sets of inserts, for some reason, do not include this size aperture, the largest standard size I have encountered being .146″, which is too small by the proverbial mile for use on the fifty-meter target. An aperture of the proper size can be cut with either a Number 17 or Number 16 twist drill. But with such front sights as the Lyman, which uses an aperture sitting on top of a post, enlarging the aperture to .175″ diameter leaves little metal in the ring portion. This adds the further complication that the metal ring will itself become too narrow for clear vision. However, a clear celluloid aperture is provided in the set of inserts, and the hole in this can be enlarged without difficulty. It is desirable to put a wide bevel on this celluloid aperture by using a countersink reamer and then blacking this bevel with ink or soft pencil. The wider the bevel the better. (Better still, the shooting associations of the nations using this target should agree to reduce the black to around six minutes diameter.

For the standard Army targets, an aperture .125″ in diameter will be found to do very nicely at all ranges, on the rapid-fire targets as well as on the round bull's-eyes.

While handguns do not use aperture front sights, the same principles hold good for the width of the notch of the rear sight. In this case, the problem is to determine the size rear notch that will be wide enough to give an easily-seen line of white on either side of the front blade. For some obscure reason, factory sights will almost always come with the notch the same width as the front blade. Since the notch is closer to the eye than the blade, this means that the notch covers a greater angle in minutes than the blade. However, this width notch is far too narrow and we strain our eyes trying to see two tiny white lines on either side of the front blade, with the result that our groups are far too large.

In recent years, most of our top-flight handgun experts use a one-eighth-inch front blade. It is the writer's belief that even this is not wide enough. Lining up the top of the blade with the top of the rear sight is much easier with a blade .150″ or even .200″ wide, as anybody can find out for himself by fashioning a blade of such width. But even with our .125″ blade, wider white lines at the sides of the blade will help.

The problem is not quite so easy with the handgun because the distance of the front sight from the eye will vary with the length of the shooter's arm and the length of the barrel. However, here's how it works out:

The writer finds by measurement that the front sight of a Colt Officer's Model is thirty-six inches from his eye. The sight radius of this gun is seven and one-half inches. Therefore, the rear sight is twenty-eight and a half inches from the eye. The front blade is .125″ wide.

Since the shooter's minute equals .010″ at one yard, the front sight covers an angle of 12.5 minutes. By proportion, we find that at a distance of 28.5″, one minute will cover (.010 x 28.5) ÷ 36, or .008″. To find the proper size of rear notch to go with our 12.5 minute front blade, let us assume the same four minutes of white on each side and, therefore, add eight minutes to the width of front sight. Twelve and a half minutes plus eight minutes equals twenty and one-half minutes. Multiplying this by .008″, the value of one minute that we found for twenty-eight and a half inches, we get .164″ for our notch. If the front sight had the very common value of .100″, which equals ten minutes, we would have a total of eighteen minutes and the notch would then be .144″ wide.

I realize that the very thought of such a notch will fill most pistol shooters with horror; but if you are straining your eyes trying to see a tiny line of white and wondering why the sights blur, give it a trial. Give the old eyes something they can *see* and you may find that they aren't so bad after all!

FAR FROM HOME ON THE RANGE

IN EGYPT . . .

By Sergeant A. E. Barker

IT WAS A MILITARY SECRET when it happened, because telling the story might have disclosed to the enemy the whereabouts of various Allied units; but the story can be told now of a series of competitions that might well be called "The 1943 International Matches, Middle East Version."

I don't know, of course, who started the thing; but Captain Bethell and Lieutenant Dunlap were the prime movers in my outfit and, when the call went out for riflemen to try out for a post team, I reported to them. I had no medals from civilian competitions, but I'm a gun nut, with an Expert Rifleman rating in the Army and a cherished memory of the last meeting at Perry, where I shot as a member of a state team.

Practice started on a British range, using the British inverted half-moon target. Most of the time we shot at three hundred yards and, on that twelve-inch bull, our scores were pretty good considering the unfamiliar sighting mark. We used '03's almost exclusively. Once in a while someone would try an M1, but they never kept in the top scores.

We worked out next on the International three-hundred-meter target, and that was something else again! That four-inch ten ring was hard to find with the issue Springfield leaf sight and battle ammunition! Anything above 185 x 240 was considered good, in our circle, and some of the top scores showed sixes and even fives. Our practice range faced a sea of sand dunes, and the heat waves were something to consider.

The first match I attended was between our team and a team of South African army officers and men. Men from South Africa have always been able riflemen and these were no exception. We found them all splendid sportsmen.

But there were many things about that match that seemed strange to us Americans. The rules called for two sighters and eight rounds for score at each of three ranges: two hundred, three hundred, and five hundred yards. The twelve-inch half-moon bull was used at the first two ranges, replaced by a twenty-four-inch half-moon for the five-hundred-yard shooting. A perfect shot scored four points, one short of the American five. Score cards were printed in both English and Dutch.

Strangest of all, of course, was the scene itself. Here were no groves of trees, no grassy fields to rest tired eyes; this was rough desert terrain. Yonder, instead of blue Lake Erie, was the muddy Nile, highway of history—and, on its other shore, the pyramids! There was Cheops, oldest of all those ancient monuments. There, watching us with still, stone eyes, the Sphinx. And yonder, not far away, the ruins of ancient Memphis, one-time capital of the great Egyptian empire. . . . This was Egypt, east of the Nile, not far from Cairo; strange setting indeed for men used to little club ranges back home, where the oldest man-made thing in sight is young compared with this antiquity!

Incidentally, we lost that match, by two points. We were down twenty-six points after the two- and three-hundred-yard stages, but in the five-hundred-yard shooting our Springfields stood out over the Enfields used by our opponents. They were using snipers' weapons and, although these were equipped with vernier sights much like those on the early Winchester 52, they had no windage gauge with which to combat the ten- or fifteen-mile wind that was blowing. Even with leaf sights, our ability to set our sights for windage, plus the higher muzzle velocity of our rifles, gave us an edge at the longer distance.

We fired a second match, later, against a Swiss civilian team. This was on a range in the outskirts of Cairo, its backstop the ancient cliffs beyond which lay the famous citadel of Cairo and the Mohammed Ali mosque.

Many of the richest people of Cairo are Swiss, and one of the Swiss team was the owner of the famous Shepards Hotel. King Farouk of Egypt is a rifleman and he was there that day. As a matter of fact, I scored his target and had the honor of giving him a miss!

This was a well-equipped range, with covered firing points and wooden shooting platforms. Our team, however, elected to fire from the ground, alongside the platform. There was a signal system consisting of push-buttons at the scoring desk and a buzzer in the pits. The native pit boys were efficient, and everything moved smoothly.

The Swiss team used South African snipers' rifles or, if they wished, borrowed our Springfields. We did get a look at one

It's a far cry from Camp Perry to Cairo . . . or from your own home range to a firing line where snipers zero their rifles on the Anzio beachhead within easy reach of German cannon, but "The Men of Perry" and the men from your own home range are carrying the gospel of the "hold-and-squeeze" around the world.

of the latest Swiss Army rifles, though these are scarce here. This specimen had a beautiful light-colored stock with pistol grip and was of excellent quality. It takes a 7.63 mm. cartridge, shorter than our '06 but slightly thicker at the base.

We saw many unpleasant times down there, but these matches were pleasant interludes I shall not soon forget.

On the Anzio Beachhead . . .

By Sergeant Milton Lehman

"Commence firing!" said the range officer. On the sandbagged firing line, soldiers in prone position took up trigger slack, drew in their left elbows, held their breath, aimed, and sent .30 caliber slugs racing to targets 300 yards away. But the reports of their rifles were drowned, often, by the thunder of heavier explosives; for this is the Anzio beachhead, and this rifle range, within range of German artillery, is probably nearer to the front line than any other in the world.

Although on the same principle as training ranges in the States, Anzio's firing line has little of the mock-warfare atmosphere about it. Replacements who learn the essentials of marksmanship here from veteran coaches are only a few miles from the combat zone, and American snipers who come up to zero-in new rifles may return to action before a week goes by.

On this particular day, two of the men on the twenty-five-point firing line were snipers zeroing-in their new scope-sighted Springfields. Both had seen fighting in the hilly section above Venafro. Pfc. William Forsyth, Rockmart, Georgia, acted as coach while Pfc. James Herron, Blue Ridge, Georgia, fired four rounds Slow Fire to tune up, then blasted out four bull's-eyes at Rapid Fire.

Farther down the line, Pvt. John Macek, of Pittsburgh, was coaching a new replacement. "Easy now!" he was saying, "don't flinch. Keep 'em steady and you'll land 'em in the bull."

Pvt. Macek knows! He's killed five Germans, some of them under target-range conditions. The last time was during an armored counterattack. "We were on the right of the Anzio road," Macek says, "moving up through the fields. I saw one of the Germans climb out of his foxhole. His head and shoulders at 200 yards made a swell target!" Macek's first shot went home.

At firing point No. 4 was Sgt. Ira B. Hammer, Megerstown, Pennsylvania, an expert rifleman. He was coaching Pfc. Donato Furgis, of Jersey City. Furgis had been issued a new rifle and with the coaching of his squad leader was zeroing-in. "For this job," Sgt. Hammer tells him, "this zeroing a rifle is important. No two rifles are exactly alike. When you get one properly zeroed, you know its individual peculiarities. Knowing that, you can score hits when hits count!"

Behind the firing line, Pvt. Ernest Palosaari, of Dollar Bay, Michigan, adjusted the sling of his new M1 to fit his arm. With his old rifle, Palosaari had killed about thirty Germans.

That old M1 had carried him through fifteen months of overseas service, had absorbed its quota of sand in Tunisia, of mud in the hills of southern Italy, and of sand again now on the Anzio beachhead.

"I figure it's done its work," said Palosaari, "just the same I hate to give it up. It's been a fine weapon. Now I've got to break in this new one."

"Tell us about some of those thirty Germans," I said, and Palosaari's eyes grew thoughtful as he answered. "That hill fighting was tough," Palosaari said soberly. "We'd be on one side of a hill and the Germans would be on the other side, and the artillery on both sides would be mixing it up. My old rifle picked up about five Krauts during one counterattack, I remember. They were charging up a hill and we were firing down on them. Then there was one time back in Africa, at a haystack near Medjez El Bab. We figured the Krauts were hiding there and so put a few rounds into the stack. One of them looked out around the bottom of the pile and I could see his green helmet against the hay. I think the first shot got him."

Across the firing range the targets, much bigger than a helmet against a haystack, were going down and coming up while the pit crews kept track of hits with the metal discs and the red flag.

Yank snipers, zeroing-in their rifles during brief leaves from frontline duty, and replacements, making a final pre-combat check of their weapons, used a range too close for comfort to German artillery!

Palosaari went on: "During this attack in February, there were plenty of targets. The Germans looked disorganized and a lot of them wanted to give up. But others kept running at us, standing up, shooting. I wasn't keeping score that day. . . ."

"Cease firing," said the range officer. "Mark all targets," said his assistant over the field phone to the pits.

Pvt. Palosaari took his position at firing point No. 4, adjusted the sling of his new rifle, stretched his legs in a V, and drew his left elbow under the stock. "This'll be fun, for a change," he said, and grinned.

NEW BRITISH SERVICE REVOLVER

THE .38 ENFIELD DOUBLE-ACTION

By W. H. B. SMITH

IN PROOF OF THE FACT that our British cousins are still tops in the production of involved military nomenclature, the official name for the revolver pictured opposite and below is: "REVOLVER, PISTOL NO. 2, MARK I**, BUTT GRIP MARK II."

Fortunately for the British soldier and for the welfare of the war effort, designers of British weapons have much simpler minds than the "name thinker-uppers" and manual writers. In few places have they demonstrated that fact better than in the production of this revolver.

Manufactured at Enfield (and bearing the stamp "Cal. .38" rather than the customary British ".380"), this revolver is about the only real advance in revolver making since Colt and Smith & Wesson decided that since their revolvers were the finest made and practically perfect anyway, there was no use trying to improve 'em.

Experiments on the original British .38 revolver began in the 1920's, when tests at Woolwich Arsenal indicated that the Webley (or our S&W) .38 cartridge with a 200-grain bullet made a thoroughly adequate manstopper, at the same time permitting a saving of about a pound and a half on every hundred cartridges as compared with the .455.

When our own J. D. Pedersen designed the famous Remington Automatic Pistol, he gave careful attention to development of proper grip, balance, and instinctive pointing. Try-frames were utilized and worked over with modeling clay until a series of grips were evolved which precisely fitted various types of hands. A composite of these grips was produced, with the result that this Pedersen-designed Remington was perhaps the nearest thing to a perfect pocket automatic ever made.

British designers followed the system developed by Pedersen. Modeling a .38 on the general lines of the big Webley, with its hinge frame and stirrup-type locking catch, they worked out a try-pistol in which not only the weight and balance, but also the shape of grips and style of knurling on the butt, were painstakingly evolved.

The first of these new .38's (the Mark I) may be thumb-cocked if desired. The Mark I* and the Mark I** are strictly double-action. The bent of the hammer is done away with entirely, and the exposed comb or spur is left off; an omission highly advantageous to quick-draw from pocket or holster.

The Mark I Butt Grip is quite conventional and intended for those with smaller hands. The Mark II (illustrated) provides much fuller grips, with wide grooves hollowed out to position the trigger finger and the thumb for rapid fire.

The barrel length is five inches, over-all length about nine and one-half inches, weight about one and three-quarters pounds (about ten ounces lighter than the .455). The rear sight is machined into the top of the fastening catch. Two front sights are available, one for the standard .38 S&W type of cartridge and the other for the .38-200 type. Front sight is fixed by a screw from the right side and is easily removed. (The one mystery in this magnificent weapon is what the sights are supposed to be for, since this is strictly a point-it-and-pull design.)

And, friend, we mean PULL! It takes from twelve to fifteen pounds to throw the hammer double action, though the trigger pull and the hammer fall are both short. Yet at distances up to fifty feet, it makes a deadly quick-fire piece.

Like the Webley, this revolver is locked firmly by a barrel-catch pivoted to the frame by a screw on the left side. The upper end passes over the extension (or strap) on the barrel and is held forward by a powerful V-spring on the left side of the frame. The lower left-hand end of the catch forms a thumb-piece which is pressed forward to draw back the upper locking part; and to make it even more secure, the weapon is so designed that the catch must push the hammer back a short distance against the tension of the heavy mainspring before the catch clears the barrel extension to permit the barrel and cylinder to be hinged down to load or extract cartridges. This type of lock is not to be confused with the American T-type of hinge-frame lock which will stand only light loads.

It differs radically from the Webley, however, in many ways. A detachable side plate on the left side may be removed by taking out the barrel-catch screw and catch, four holding screws, and the left grip. The entire lock and cylinder-revolv-

Grips are shaped, grooved, and knurled to provide friction resistance to heavy trigger-pull.

Note ratchet-fixing pin; hollowed-out ratchet recess in frame; and two-point thrusting hand.

Remove locking catch and left grip, lift side plate, and gun's rugged mechanism is revealed.

ing mechanisms are now exposed—both systems being marked improvements over the older British revolver, with features of interest to all revolver manufacturers.

A new two-point hand (or pawl) is provided—a feature heretofore exclusive with our Colt revolver. As the trigger is pressed this hand emerges from its slot, its upper point engages the ratchet on the extractor and starts the cylinder on its one-sixth turn to bring a chamber in line with the barrel and the firing pin (or hammer nose). The lower point engages below on the ratchet and, as the hammer comes to full-cock position, these points not only position the cylinder but, together with the new type of cylinder stop, actually thrust the cylinder ahead until the chamber is practically flush with the barrel. The effect of this action is to provide a gas check somewhat like the Russian Nagant, without the involved mechanism of that revolver, and to speed up and cheapen manufacture by making unnecessary the close tolerances otherwise required.

"Revolver, Pistol Number 2, Mark I**, Caliber .38, Butt Grip Mark II"

An interesting device—also not in use on our revolvers—to minimize shaving and lead-throwing due to misalignment of barrel and cylinder due to wear on the turning mechanism, is a simple "fixing pin" on the underside of the ratchet. When the extractor is home and the ratchet bedded, this pin is securely home in its hole in the cylinder. For all practical purposes, this prevents movement of the ratchet during locking.

The American system of loose, removable firing pin (hammer nose) has also been incorporated in the British .38. That in the .455 is a part of the hammer itself. The hammer is the standard rebounding type, and cannot reach the primer of the cartridge until the revolver is securely closed. A safety stud attached to the trigger nose provides a mechanical safety which is both sturdy and completely reliable.

As in the Webley, the cylinder is readily removed for cleaning by unscrewing the cylinder-retaining screw on the left side of the barrel and pushing up the bottom of the retainer to free the cylinder. Also as in the Webley, a husky and clumsy-appearing wedge of metal is screwed to the barrel just below the cylinder. This is the "holster guide," intended to prevent the cylinder from catching when the revolver is being holstered.

This new weapon has been designed throughout to facilitate instinctive aiming and firing. The space back of the trigger guard has been made larger to provide adequate rest for the second finger; and the incline of the bottom of the frame has been designed to give better support for the revolver as it is gripped for firing.

Battle tests have demonstrated to the satisfaction of British field commanders that the .38-200 answers all the needs for a close-quarters weapon, and more and more stress has been laid on the efficient use of these revolvers. Those with hands large enough to make proper use of the Mark II Grips in particular are able to lay the thumb in the grip groove and fire the weapon with deadly accuracy at short range by using the thumb as a pointer, ignoring the sights entirely. As a further aid to rapid use, the inner face of the frame is recessed to take the ratchet, so that the weapon can be snapped open or shut with little damage to the gun.

On the side of workmanship, of course, these revolvers cannot be compared with our standard makes. No foreign revolvers ever could. But they kill people just as dead; they cost less to manufacture; and they have several inbuilt features we could use. They are daily proving in battle use the ruggedness and reliability of their manufacture and design.

Certainly the development, the steady evolution of types, the accent on double-action use, and the constantly increasing number of revolvers going into fighting fields is the best practical testimony one could ask for as to the truly essential nature of the revolver as a close-quarters offense and defense weapon.

Together with huge numbers of Smith & Wesson Military and Police .38's (known in official British terminology as "REVOLVER, PISTOL NO. 2, .380-INCH SMITH & WESSON"), these Enfields are going into service everywhere British troops are engaged in battle. When the time comes that the number issued can be published, the total will redden the faces of a lot of people who a few years ago were airily announcing that the one-hand gun was all washed up in war use.

Why Don't People Tell Us?

(*Continued from page* 19)

that each shot will be fired under normal hunting conditions.

"Remember the stalling he did between shots? That wasn't happenstance; it was deliberate. That gun of his will shoot into the ten-ring all day long through a cold barrel; but if you fire a rapid string through it without cooling the barrel between shots, as you did, you'll be lucky if you keep all your shots in the six-inch black. Many hunting rifles act the same way. The variation from a cold barrel to a hot one will not only spread the group to several inches in diameter, but the center of the group will be from one to three minutes of angle away from the first or cold-barrel point of impact. That's enough to miss a squirrel at a hundred yards, a coyote at 200 yards, or a deer at 300 yards. Worse still, such shots may wound, not kill."

"Sure," I said, "I know. Target shooters know——"

Ralph nodded. "Yeah, you know it. Lots of other target shooters know it, too. But there are plenty of shooters who don't know it and never will know it until they're told. That was Little's idea: that if he hooked you hard enough you'd talk!"

Well, that's the story. This article is my attempt to give the lesson old man Little taught me the publicity it deserves; a lesson which, if observed, will help Mr. Average Hunter get meat for the pot, and at the same time save thousands of game animals each hunting season from needless suffering.

The Man with the Blue Brassard

(*Continued from page* 17)

To operate a straggler line effectively, the MP must be able to determine by a few questions and quick, good judgment whether a man is legitimately away from his unit, lost, a victim of battle fatigue, an AWOL, or just a plain malingerer. Training to develop such ability is given by demonstration, by lectures, and by practical work, where certain men act as the MP on duty and others act as stragglers.

Still another duty the MP will often be found performing is that of guarding a vital installation, supply depot, or port. Besides the regular training most soldiers receive in the performance of interior guard duty, MPs are instructed in guarding against sabotage. They learn how the saboteur works, his methods, and the spots he is most likely to strike. The MP is trained in the emergency handling of parcels likely to contain bombs. Disposal of items of this kind is strictly the duty of the explosive expert of the Ordnance Department, but the MP must at least know what not to do.

Some Military Police are trained in the handling of sentry dogs. These dogs are used to reduce the number of men needed to perform guard duty. Sensitive canine ears and nose can detect the presence of a stranger at a much greater distance than can a man, thus allowing one man to guard a larger area. The dogs are also trained to attack an adversary on command of their handler and to release the adversary upon command. They are a valuable addition to the Armed Forces.

Some Military Police units are called upon to aid the authorities of the Allied Military Government in the performance of their duties. This will include generally the maintenance of law, order, and good discipline, protection of the property and of the inhabitants of the area, and enforcement of the ordinances of the military government. Where the civil organization and police force is operating efficiently the functions of the Military Police become largely supervisory. Without the support of the civil police, which usually is absent in cases of invasion, Military Police enforcement becomes direct, more detailed, and more complex. Rioting and lawlessness may arise in the absence of a civil police force. Therefore, the MPs are trained in the suppression of riots, in the use of tear gas, and in military formations effective in dispersing mobs. These formations are similar in their execution to the ordinary close order drill performed on the drill field every day. But with unsheathed bayonets in the hands of slowly but steadily advancing men in orderly formation, few mobs are determined enough to stand fast.

The one MP duty which elicits the most public attention is known in the Army as "town patrol." This means walking a beat, riding a train, or cruising around in a patrol vehicle, keeping G.I. Joe out of trouble. And that's the primary doctrine of the town patrol: "Keep the soldier out of trouble." This requires well-trained, intelligent personnel, men aware of their responsibilities and determined to do a good job. Good judgment, sympathy, and determination are characteristics of the good MP. Some of the men on town patrol were formerly police officers in civilian life. However, and more frequently, they are men picked for their good judgment and common sense, trained right in the Military Police units. This is one duty for which training in advance of performance is of limited value. All Military Police are given instruction by lecture and illustration on how the town patrol should work. They are instructed in military law and understand the scope of their authority. Yet, a good man on town patrol is made by experience. MPs always work in pairs. Besides the backing they can give each other, the green man learns by example and by experience.

The new man learns that the MP is on duty to help the soldier, to keep him out of trouble. But in the Army, as in civilian life, there are certain individuals who will cause trouble no matter what their surroundings. It is for this type of man that the MP must be prepared. He must be fair but firm. The recalcitrant soldier must know by the attitude of the MP that he means what he says and is prepared to back it up by force if necessary. To back up this authority, the MP has been trained in judo. He learns how to "take a man in," applying enough painful but harmless force to discourage any attempt at further violence. The MP learns how to protect himself from attack by knife, club, or firearm. He learns how to disarm his opponent and to incapacitate him without permanent injury.

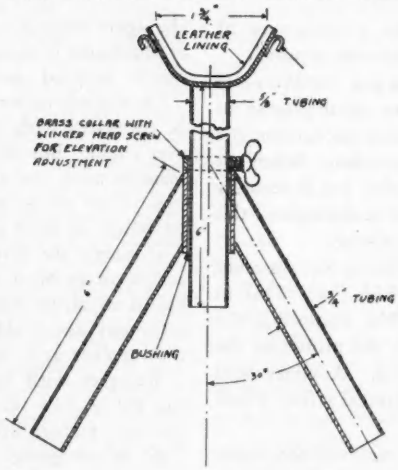
The MP today is a highly trained soldier, well-disciplined, intelligent, ready to take his place in the front line or to do expert specialized duty of many kinds; ready to carry out in practice the motto of the Corps: "Service to the Command."

SHOOTING STICK

The shooting sticks of the ancient buffalo hunters, mated with the bipod of the BAR, currently unpopular with the Japs and Jerries, might have produced the gadget shown herewith. Credit, however, is given to J. C. Nix of Washington, D. C., who described his original wooden model in the April, 1941, issue of THE RIFLEMAN. This improved model is the work of A. H. Barr of the NRA Technical Division.

This bipod rest for a sporting or target rifle is made of odds and ends available in any shop. The basis of Barr's job is three pieces of old rifle scope tubing, light and strong. The legs are cut as indicated and welded or brazed to a short piece of tube in which rides the vertical shaft. A bronze bushing is fitted in this short tube for obvious purposes.

Elevation is changed by means of a screw with a winged head in a brass collar as shown.



Two hooks are soldered to the rest to hold a heavy rubber band which fastens the bipod to the rifle. The rest itself is lined with a piece of leather, felt, sheepskin, or other shock-absorbing material. The finished bipod weighs 7.5 ounces and may be raised from a low of six inches to a high of ten inches.

This shooting rest is particularly well adapted to the needs of the woodchuck hunter for top accuracy at long ranges. Barr claims that some of his tightest groups were made with it and he prefers it to a bench rest. He warns, however, that it is necessary *to learn to use it.* Fastened to the forend just ahead of the front swivel, it can be carried on the rifle. Keep it as low as possible. For close groups, Barr recommends that a sheepskin gun case or some similar pad be placed under the toe of the butt.

THE S & W TRIPLE-LOCK AND THE .44 SPECIAL CARTRIDGE

By GORDON C. BOSER

BACK IN THE EARLY TWENTIES, when I first saw the Smith & Wesson Triple-Lock revolver, I decided that if ever I found one of these guns in perfect or near-perfect condition it would be mine. As the years went by I saw several Triple-Lock guns, all with ruined barrels, but with the tightest cylinders and cranes that I ever saw on any gun of the double-action type. In April, 1943, when a dealer showed me a perfect Triple-Lock, Target model, in original condition, it didn't take long to make a deal.

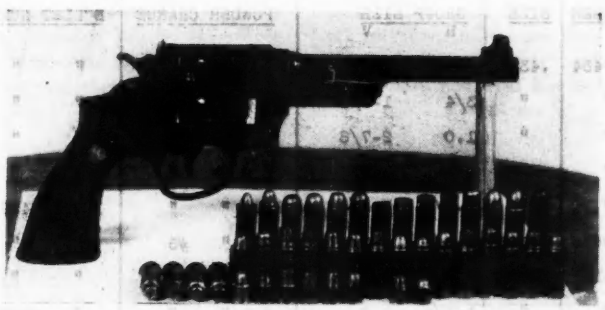
This arm has some special features very much to my liking. It has a groove diameter of .431″ to correspond to a bullet cylinder throat of .432″; a perfect setup for a groove-diameter-sized bullet. It is head spaced to .009″, with a barrel-cylinder joint of .003″. The cylinder and barrel align perfectly at all chambers; and, above all, it is one of the few .44 Special Smith & Wesson guns that do not lead regardless of the type of lubricant used.

This particular gun has a very excellent pre-World-War-I blued finish, a three-and-one-half pound pull (smooth as glass), and the action as a whole is superbly smooth. The cylinder chambers are .456″. (Factory loaded cartridge cases are .454″.) There is absolutely no end play, and the cylinder-stop play is only such as to permit free function. This is the finest double-action revolver I have ever used, and in the .44 Special caliber alone I have owned two Colt Bisleys, six Colt Frontiers, (one fixed up like the .401 Colt mentioned in the April, 1943, issue), one Bisley Frontier Colt, one Colt New Service, one Colt New Service Target, one Model 1926 5-inch incased Smith & Wesson, and two Military Smith & Wessons with fixed sights, besides the Triple-Lock. I have, of course, used many others.

It may be well, first, to distinguish between the Triple-Lock and the present incased Smith & Wesson revolver which is like the Model 1926 and with which the Triple-Lock is often confused. On this model, the incasement, although it is integral with the barrel as on the Triple-Lock, merely houses the ejector rod, adds balance, stiffens the crane a little against forward looseness, and makes for better appearance. It has the same front- and rear-bearing principle as the arms with no incasement. On the modern model, the rear bearing is actuated by a stiff spring, housed within the cylinder bushing, which shoves the bearing back into position. This is the reason for the bent portion of the recoil shield on the left side of the arm: to allow the cylinder to swing out and swing back into position again. The front bearing is the taper type used on all the modern Smith & Wessons.

The thumb latches on the Triple-Lock and the modern gun are alike, but on the Triple-Lock the crane lock and the front bearing are integral, actuated by a stiff spring. This spring at the forward end shoves the rear bearing into position on engagement when the cylinder is in firing position. When swung out, the rear bearing is drawn into the ejector housing. (Incidentally, no bent portion of the shield is needed; it merely adds to the appearance of the arm.)

The front bearing is not wedge-shaped but is a straight pin. It is much more secure than the wedge type, to my notion. The crane lock is wedge-shaped and engages a hardened die sunk into the crane and held in place by a screw going through the crane from the rear and a groove at the right. This grooved part of the die fits very finely into the frame when the arm is ready for action. It is from this slanted groove that the



THE SMITH & WESSON TRIPLE-LOCK AND CARTRIDGES TESTED THEREIN

Legend: (a) experimental form only. (b) Boser special cavity. (c) original as cast. (d) bullet shown is solid but hollow point has been used. (e) use by writer limited. "Standard" indicates bullets most used by the writer.

Bullets in front row standing and cartridges in second row:

1—Boser #1 grooveless 227-grain target	(a)
2—Boser #2 grooveless 220-grain solid	(a)
3—Boser #3 grooveless 260-grain solid	(a)
4—Ideal-Boser #429454 241-grain solid Standard	
5—Ideal-Boser #429454-R 241-grain solid	(a)
6—Bond-Ness #429770-R 230-grain solid	(a) (b)
7—Bond-Ness #429770 230-grain solid Standard	(d)
8—Boser Swedged 206-grain solid	(a)
9—Boser Swedged 191-grain solid	(a)
10—Bond-A #429750 225-grain hollow point	(b) (e)
11—Pacific-Sharpe #429244 244-grain hollow point	(c) (e)
12—Ideal-Keith #429421 230-grain hollow point Standard	(b)
13—Ideal-Heath #429336 250-grain solid Standard	(d)
14—Pacific #429240 235-grain solid	(d) (e)
15—Bond-Resser 225-grain solid	(d) (e)

Cartridges in third row:

1—Ideal-Himmelwright #429220 175-grain	(e)
2—Bond-B #429750 215-grain	(e)
3—B&M #429240 235-grain Standard	
4—Ideal-Anderton #429215 205-grain	
5—Pacific B&M #429205 210-grain Standard	(b) (e)
6—B&M (bevel based) #429205 205-grain Standard	(b)
7—B&M W. C. #429200 190-grain Standard	
8—Ideal W. C. #429348 173-grain	(e)
9—Ideal W. C. #429352 245-grain	(e)
10—Bond-C W. C. #429655 246-grain Standard	
11—B&M #429261 262-grain	(e)
12—Ideal #429383 244-grain	(e)
13—Ideal (Russian) #429251 253-grain Standard	
14—R. A. factory loaded	

Cartridges prone, at left:

1—Ideal-Boser #429454-R 225-grain hollow point Special	(a) (b)
2—Ideal-Boser #429454 225-grain hollow point Standard	(b)
3—Boser #2 grooveless 210-grain hollow point	(a) (b)
4—Boser #3 grooveless 235-grain hollow point	(a) (b)

crane lock releases when the cylinder is swung in and out.

To my notion, this crane lock feature makes this Triple-Lock the finest double-action revolver in existence. The one I have has a serial number of four figures. I have seen some of these guns with numbers well over 16,600, and am told that guns above number 16,600 have heat-treated cylinders. However, since the .44 Special case is designed for only 16,000 pounds pressure, and since the gun I have will stand all of that and more, the serial number makes little difference to me. The fellow that thinks he must use super loads had, of course, better get the modern arm, since it undoubtedly has better steel in the cylinders.

I have never been able to learn why this fine old gun was discontinued, but would guess that the newer Military model simplified manufacturing and reduced cost of production. I think that a gun made of modern steel, with the indispensable crane lock, would be welcomed by many shooters. I, personally, would like to see the Triple-Lock in .38-44, .357, .401, and .44 Special calibers—the .401 using a revised and commercially manufactured version of my .401 Special cartridge. I am sure that the .401 can be made to exceed my own development; and, as is, it is the most powerful load I have ever seen.

This brings up the subject of loads. Below, and on the opposite page, are charts showing the results of penetration and accuracy tests made with a score or more of loads in the .44 Special Triple-Lock.

In building handgun loads it should be remembered that some cartridge cases are thinner than others as to material, some are shorter, etc. Most any of them will do for reduced or normal loads, but for the heavies the best are none too good. The .44 Special RA, non-cannelured case is my choice. It is longer than the smokeless cannelured case, is of excellent quality, and has given the most loadings before the primer pockets expand so as to render them useless for further service.

The .44 Special cases that I have used outlast by a good margin either the .45 Colt Long, .38-40, or .44-40 WRA. The .45 is better than the .38-40 or .44-40, both of which are very thin. The .38-40 in particular is sensitive to load.

I prefer to use a primer of the same make as the cases. With the case above, the RA 2½ primer is the choice. They seem to be tougher and have a lower pocket pressure, yet they perform with high efficiency. They should always be the NMNC type and should be seated to full depth into the case. They should be started level to insure perfect results.

Many good bullet designs are available. If fixed sights are used, a bullet must be selected that will fit the arm. Target sights can be adjusted to suit almost any weight or type bullet. For hunting purposes a bullet should be flat pointed. For certain types of hunting, the solid bullet is best, while for woodchucks the bullet should be of the hollow-point type. These bullets disintegrate and cause tissue destruction and shock not possible with the solid variety.

After trying all types, I have chosen the number 429421 (Keith) with a large taper cavity for maximum loads of Unique when used in Colt guns, and the smaller straight cavity for heavy loads of No. 2400. With sufficient velocity, the smaller cavity will expand well and furnishes more material to disintegrate, but the taper cavity is best with the lower velocity up to 20,000 pounds pressures. The Boser No. 429454 is preferred in the Smith & Wesson guns and gives excellent results on game. The Bond No. 429770 was tried in hollow point with heavy loads, but, due to its narrow

POWDER CHARGE	BULLET NUMBER	SIZE	GROUP SIZE H	GROUP SIZE V	
5.0 gr. B.E.	Ideal #429454	.430"	2-7/8"	1-1/8"	
6.0 " #6	" "	"	3/4	1-3/4	
8.5 " Unique	" "	"	1.0	2-7/8	
7.2 " #5	" "	"	3/4	1-5/8	
4.5 " B.E.	" "	"	1-3/4	1-3/4	
4.5 " "	Bond-C#429655	.4305"	1-3/4	1-3/4	**
3.5 " "	Boser #1 GL	.431	7/8	7/8	*
5.3 " #6	" #2 "	"	1-1/4	1.0	
6.5 " #5	" #3 "	"	1-5/8	1-1/2	**
8.0 " Unique	" #3 "Hpt.	"	1-1/4	1-1/2	
9.0 " "	" #2 " "	"	1-1/4	1.0	*
8.5 " Unique	Bond #429770	.429	1-7/8	1-3/4	*
7.5 " #5	" "	"	1-1/4	1-7/8	
6.0 " "	" "	"	3/4	1-1/8	
4.5 " B.E.	" "	"	5/8	1-5/8	
7.0 " #5	" "	"	1-1/4	2.0	
11.0 " #80	" "	"	5/8	1-1/2	
17.0 " #4759	" "	"	7/8	1-1/4	**
5.8 " #6	" "	"	7/8	1.0	**
6.2 " "	" "	"	1.0	1-1/2	**
5.2 " "	" "	"	1-1/4	1.0	
6.0 " "	Ideal #429336	"	1-3/4	1-7/8	**
7.0 " #5	" "	"	1-1/2	1.0	**
5.4 " B.E.	" "	"	1-7/8	1-1/2	**
4.9 " "	" #429421	"	1-1/2	1-1/4	
4.9 " "	" "	.431	1.0	7/8	
6.3 " #6	B&M #429240	.429	1-1/4	1.0	
5.2 " B.E.	" "	.4305	1.0	7/8	
6.8 " #5	Ideal #429251	.431	1-5/8	1-1/2	
5.0 " B.E.	" "	"	7/8	1.0	
8.0 " #5	B&M #429205	"	1-1/2	1-7/8	*
5.0 " B.E.	" "	"	1-1/4	1-1/2	*
6.2 " #6	Bond-A#429750	.4305	1-1/4	1.0	**
7.0 " #5	" "	"	1.0	1-1/4	**

All tests were made from a two-arm rest, at fifteen yards. Results are averages of five targets. The first figure under "Group Size" is horizontal measurement of group, second figure is vertical measurement. A single asterisk (*) indicates a low group; double asterisks (**) indicate a high group. At long ranges (100 and 200 yards) the Bond-A Number 429750 with 6.2-grain load of Number 6 shot the best groups of all bullets tested. Bullets weighing from 225 to 240 grains give best results in the Triple-Lock. Boser prefers 225-grain bullets for use in S&W guns.

point, was not satisfactory. It is highly accurate for target work, as is the No. 429336, which also proved not so good for hunting. A good crimp groove is necessary with the Unique, No. 80, No. 4759, or No. 2400; otherwise good combustion is impossible. Crimping over the shoulder is possible but

BULLET	WEIGHT	CHARGE	POWDER	NO. BOARDS PENETRATED	CHARGE	POWDER	NO. BOARDS PENETRATED
S&W #429105	235 Gr.	9.7 gr.	Unique	6-1/2	8.0 gr.	#5	7-1/2
Ideal #429251	253 "	8.0 "	"	6-3/4	7.0 "	#5	6-1/2
" "	" "	6.0 "	#6	7-1/2	5.1 "	B.E.	6-1/2
" #429421	250 "	7.9 "	Unique	6	7.0 "	#5	5
" "	" "	4.9 "	B.E.	4-3/4	5.6 "	#6	4-1/2
" #429436	" "	8.5 "	Unique	7	7.0 "	#5	5-1/4
" "	" "	6.0 "	#6	5-3/4	5.4 "	B.E.	5-1/4
Bond-A #429150	240 "	9.0 "	Unique	6-1/2	7.0 "	#5	7-3/4
" "	" "	6.3 "	#6	7-1/2	5.5 "	B.E.	7-1/4
Bond-C #429055	246 "	5.6 "	#6	4-1/2	6.5 "	#5	4
Bond-D #429770	230 "	17.0 "	#4759	8	7.0 "	#5	6-1/2
" "	" "	11.0 "	#80	7	8.5 "	Unique	8
" "	" "	6.0 "	#6	7	5.4 "	B.E.	5-3/4
Roser Exp.F.Pt.	225 "	9.0 "	Unique	7-1/2	7.5 "	#5	6
" #429454	241 "	6.5 "	"	6-1/2	7.2 "	#5	5-3/4
" "	" "	11.0 "	#80	5-3/4	16.5 "	#4759	6
" "	" "	6.2 "	#6	5-3/4	8.5 "	B.E.	5-1/2
" #429227	227 "	9.0 "	Unique	7-3/4	7.5 "	#5	6
" "	" "	6.5	#6	6-1/2	5.3 "	B.E.	5-3/4

Penetration tests in very dry seasoned hemlock boards ⅞" thick, spaced two inches apart. (Bullet temper is unknown)

reduces the powder space which would increase the pressure or reduce the powder charge at the same pressure.

I tried grooveless bullets, hoping to reduce distortion of the body of the bullet by eliminating the burrs left by the rifling on the sides of the body. These grooveless bullets have only the clean, sharp marks of the rifling and they work very well. A grease wad at the base eliminates all leading possibilities even better than the standard grooved bullet, and it is little trouble to apply these wads. The three bullets of this type are still in the experimental stage, but have worked well in hollow point or solid, both on targets and on game.

The shooter should select a bullet and then stick to it, once it is found to work satisfactorily. A bullet measuring groove diameter or up to .002" over groove diameter will prove very satisfactory depending on the cylinder bullet throat. At least .001" should be allowed for free fit of the bullet to the cylinder throat. On the Triple-Lock Smith & Wesson, in which the cylinder is .432" and the groove diameter is .431", the bullet should be sized to .431". This refers to the larger calibers; the .38 Special should be held to groove diameter or not over .001" over groove diameter.

Loading the .44 Special is as easy as loading the .38. It is just right for smokeless powder. Tools are very accurately made, as are barrels and cylinders; more generally so than in any other large caliber. The factory loads are not as powerful as the .45-38 or .44 Winchester calibers, but when handloaded the .44 Special has excellent possibilities. Its bullets, long and heavy in proportion to its caliber, carry up better than the .45 or the Winchester calibers.

Hollow-point cavities run from ⅛" to 3/16" in the .44 taper and straight types. The big 260-grain grooveless bullet weighs 235 grains when used with the 3/16" cavity, and has an over-all length of 1.582", the longest I have ever loaded. It kills well on chucks, but not as well as the No. 429454 5/32" straight cavity. In Colt guns, I like the Keith taper cavity 230-grain and the No. 429336 solid for target work. In Smith & Wesson guns, I prefer the 454 hollow point for game, and the Bond-Ness and the 454 solid for target.

In more than thirty years of hunting with the handgun, I have killed over 8,000 animals. After using the Triple-Lock, my conclusions are that it and the .44 Special cartridge are tops over any other commercial caliber and load. The .401 is more powerful but is not a commercial outfit.

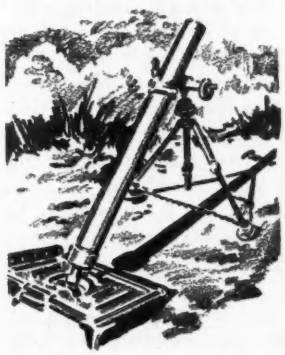
"Sniper!"

(Continued from page 7)

and their eyes. Jap snipers seldom got off more than one shot. I have seen Marine marksmen deliberately unmask a Jap sniper by calmly shooting away the leaves that hid him and then drilling him through the nose. If you remember Japanese noses, you will admit that is good shooting!

The Jap is tricky but we learn tricks, too, to use against him. Maybe it was one of our billiard players who first figured out how to use ricochets against them. At first, any bullet that gets inside a rock cave is dangerous until it stops bouncing. Even then it's apt to be pretty hot. But our ricochets were not all accidents. Some of our marksmen, having figured out just where a sniper had to be, figured out a spot where a steel-jacketed bullet could be banked off a rock wall against the sniper's otherwise invulnerable neck. It worked, on many occasions, to the fatal embarrassment of many Japs.

I've already said that I like the Springfield. I like the carbine, too. I don't know the M1 very well. I do remember, though, how it was introduced by the Army in the Solomons just before I left there to return home. The doughboys took the guns up front, did enough firing to use up five cartridges all around, and then some of them, previously coached, began yelling, "Bring up ammunition! I'm out of cartridges!"



The Japs must have thought those soldiers had come up there with Springfield rifles and just one clip of cartridges. Anyway, they came boiling out and got mowed down by the Garands. Well, I like anything that kills Japs, so I guess that makes me a friend of the Garand.

LOOKING AHEAD!

(THIRD OF A SERIES)

By The Old Coach

LAST MONTH WE SAID "there will be an unprecedented increase in competitive rifle and pistol shooting in the decade following the end of this war IF the NRA and its local clubs provide the kind of *program* and *facilities* that will attract and hold the interest of this new generation of shooting prospects."

The matter of *program* and *facilities* is a kind of closed circle. The *program* will not work without the *facilities*—but the more *effective* the program the easier it becomes to *improve* the facilities. Obviously clubs will find it necessary to spend money installing some of the needed facilities so as to *start* the broadened program of postwar activities. As soon as the program has begun to attract larger attendance and membership, the increased income will make possible the extension and completion of the range improvements.

What will be needed in the way of range improvements to carry on the program suggested in the preceding article? Let's answer that in "easy stages" by following the same order as that followed in discussing the program. That means we will first consider the postwar—

(a) .30 caliber ranges:

There does not need to be any very noticeable change in the appearance of the .30 caliber range in order to add the surprise-fire and moving-target events. The ordinary pit-operated targets can be used for surprise-fire events, as they have been in the Camp Perry Instructors' Match for several years. Bobber targets mounted above the pit can be operated with much less effort by the pit detail and the silhouetted figure provides a bit more realism than the big bull's-eye target. By the time the new programs can be approved the NRA expects to have working drawings available to indicate several practical methods of handling bobbers from the conventional target pit.

Similarly the "running deer" or other moving targets can be mounted over, and controlled from, the conventional pit. Admittedly, if the terrain is suitable, it will be better to build the moving-target range as a separate installation so that firing on the regular pit-operated range can proceed simultaneously with firing on the moving-target range (which will normally be built entirely above ground). The NRA hopes that out of the many mechanical and electrical improvements developed during the war it will be possible to find lightweight, dependable, inexpensive running gear which will satisfactorily solve the running deer range problem. Contacts have been established and investigations are now being made along these lines.

Where .30 caliber facilities already exist it is not going to be particularly difficult or expensive to provide the additional facilities needed for the contemplated postwar program.

(b) Small Bore Ranges:

If rapid-fire, surprise-fire, and moving targets are to become a part of the small-bore picture it is obvious that considerable additions will be necessary to existing range facilities. It will not be necessary to enlarge the ranges nor will the cost be great because the target gear will be comparatively small and light in weight. The increase in club membership and in weekly attendance that may logically be expected as a result of the broadened program will more than offset the alteration expense.

Existing double target frames will continue in use for slow-fire events.

Experience has proved that rapid-fire and surprise-fire events cannot be successfully conducted using stationary targets. For small-bore shooting the "bobber" type target, which has proved so satisfactory for pistol competition, will be used. It is inexpensive, easy to build and operate, requires a minimum of manpower, can be electrically timed and operated, and requires no pits or trenches to interfere with the normal operation of the regular double targets for slow-fire events. NRA draftsmen are now working over a variety of possible designs and working drawings will be available in time for the postwar program.

Moving targets on the small-bore range also require designing "from the ground up" but work on such designs is under way. Because the small-bore moving targets will be small and light in weight they will be inexpensive and may be installed on the same area as existing target frames. However, where space permits it will be preferable to set up the "running rabbit" or other moving target in a separate area so as to permit simultaneous firing on the moving-target and stationary-target ranges.

Breakable targets can be fixed on the regular target frames so will require no new construction. The problem in this case is to find breakable targets which will give positive fragmentation on impact of the .22 bullet but which can be shipped, stored, and handled without excessive breakage. To insure fair competition it will also be necessary that the discs be available all over the country in uniform diameter, thickness, and composition. They must also be inexpensive. These problems may not be solved until manufacturers are able to divert their attention and facilities from war to peace production, but there is no doubt that a solution will be found soon after the end of the war.

Indoor small-bore ranges pose particular problems, some of which are of long standing. The need for a double-target system adapted to overhead target trolleys has long been recognized but a satisfactory solution remains to be found. A dependable, not-too-expensive means of rotating the targets so as to operate them as "bobbers" for timed, rapid, and surprise fire is also badly needed for the postwar program. Because of the supporting columns which are common in indoor ranges, no satisfactory method of installing moving targets seems possible of development on a nation-wide scale. Breakable targets fixed to panels carried on the regular overhead trolley can be used to add action to the gallery program pending the mechanical solution of the other problems mentioned.

(c) Pistol and Revolver Ranges:

These ranges (outdoors) are already well equipped with manually or electrically operated targets, many of them electrically timed, for timed-fire, rapid-fire and surprise-fire competition. In most cases the Olympic type bobbers can be operated with only minor adjustments to the existing target frames.

Because existing gear is permanently built above ground it will be advisable to build the running man targets on one flank or the other, separated from the regular range in order to avoid damage to the permanent frames. As in the case of the running deer target, it is advisable to have standard plans and standard running gear of a sturdy, light, reasonably priced type in order that competitive conditions may be uniform throughout the country. The NRA believes that these plans and the necessary gear will be available by the time postwar programs have been approved.

Indoor pistol ranges face the same mechanical problems as those mentioned in the case of indoor rifle ranges. The solution of each problem will equally benefit the indoor rifle and pistol ranges.

(d) Club Houses and General Facilities:

No matter how interesting the program nor how good the mechanical range facilities, continued large attendance at the club will not result unless a clean club house, comfortably furnished, and a well landscaped range with decent parking facilities are also available. Clean, cold drinking water, a soft drink and *clean* lunch bar, sanitary toilets and wash rooms and adequate statistical office facilities available to competitors without crowding the main club room are essential. Wide porches and lawn furniture are desirable. Steel lockers for members are helpful. Care and maintenance of the range *should be in the hands of a man hired for the job* and should not be left to the attention of the overworked Club Secretary and such volunteer members as may be willing to push a lawn mower or wield hammer, saw, and paint brush.

All ranges should be lighted for night firing.

These things will require a reasonably large membership and reasonable dues and range fees. The outright merger of several small clubs or the organization of a League, with the League financing and managing the range, may be necessary. Such arrangements are entirely feasible. America has moved out of the horse-and-buggy, clay-and-corduroy-road, "Chic-Sales-backhouse" era in sports as in everything else. If we as shooters fail to keep abreast of modern trends, we can expect to be left trailing in the dust of more aggressively managed sports. "People just won't come out and shoot." You bet they won't if they can't find the range for lack of road signs, can't find a clean place to sit down and watch the shooting, can't find anything to *watch* except some practically immobile human machine rests plopping at perfectly immobile black spots too far away to see the bullet holes. A lot of your postwar membership prospects will have been through the Desert Training Area and through New Guinea mud. They will have eaten a lot of sandwiches while slapping flies and will have drunk a lot of warm water out of a bucket. They won't consider repetition of those experiences as being *fun* or recreation! But give them a club they can be proud to show off to their friends, give them a program that interests them, let them have some *fun* out of their shooting and "people just *will* come out and shoot."

We are faced with the biggest opportunity in the history of our sport. Let's be big enough to take full advantage of it!

"Them Nasties shore mus' be louzy! Jud sez he's been sprayin' all day with a tommy gun, an' the job ain't done yet!"

Charlie's Comet

(*Continued from page* 11)

We went to see Dr. Weston, at the university, as soon as we had gathered ourselves together. "Kinetic energy," the doctor said, "is released by the speed of a projectile." His voice blurred in my ears, a little. But one thing stood out: "The energy in one drop of water," the doctor said, "would run a battleship for two thousand years, if it were released!"

"Check me if I'm wrong," I said slowly. "What you're trying to say is—the impact of that bullet, traveling at God knows what speed, may have transformed that armor into *energy*?"

He nodded. "Roughly—yes. And that untold energy, acting on the projectile itself, would impart to it an infinite store of power; enough to keep it in flight for—for eons!"

He finished in a whisper: "What's more, such a projectile would attract gaseous matter, and that gaseous matter will solidify, increasing the projectile in size . . ."

"Orbits!" I said, hoarsely. "What about orbits? Bodies like that travel in circles, don't they? A thing like that would eventually come back to where it started!"

The professor nodded . . .

* * *

A tiny bullet, grown now to a fiery monster weighing thousands upon untold thousands of tons, speeding back now to the end of its orbit! Fantastic? Yes. But today, November 6th, the thing can be seen clearly with the naked eye. . . . We're evacuating the city now, but that is small comfort. Who knows with what cataclysmic impact such an object will strike? Or where it may strike? . . . The airports are jammed with struggling thousands, seeking safety in distance. But will distance help? Will Earth itself survive this great catastrophe? . . . We can only pray.

A PAPER FOR PEOPLE WHO SHOOT

Rifle Remington DUPONT News

Possibles and Impossibles

by **FRANK J. KAHRS**

I have a letter from the father of two boys who are well known shooters. Both have been in the big time at Perry and at other competitions and both have won their share of matches. This letter gave me an insight into the close contact that exists between fathers and sons, particularly in the shooting game, and it gives me much pleasure to comment on his letter because he brings out some very interesting sidelights on how a father's influence will shape the destiny of the sons.

He went on to say that when the boys were very young, he gave them 22 caliber rifles and did his best to teach them the three essentials of game getting, which was what a gun was for in those days. The three things he mentioned are safety, speed and accuracy, and mentioned particularly that both of the boys developed into fast shots especially on running game.

In his own case, he has hunted deer for over fifty years, and has seldom missed a shooting match in the last twenty-five years. All three are familiar with practically every type of rifle and shotgun, and in the case of the father, he has perfected an adjustable trigger for a rifle and even makes his own stocks.

The older boy specializes somewhat in rapid fire and fired one score in practice in 36 seconds for a total of 93 offhand, and this explains why he won the Pope Match at Camp Perry —at least that's what his dad claims. The younger boy was indoor champ of New York just before the war and in one team match in the Empire State League was high man in three positions—standing, sitting and prone with 300 x 300.

When the boys were in high school, they hunted woodchucks on Saturdays and in four years shot 2,009. They adopted a method of shooting for the spinal column which they claim meant curtains for one so hit.

Considering, as the father states, that for six times now he has been 12 years old and is still active in the shooting game, I believe readers of the column will agree with me that this is a very interesting family and typically American, especially with both boys in essential activities in the war effort.

* * *

One of the boys down Palm Beach way in Florida recently got out for a little shooting on the 100-yard range and found that it was "one of those days." Despite a high and gusty wind, he turned in a neat 10-X possible, the first he ever made; and after praising the ammunition he

stated that he must have zigged while the ammunition zagged or vice versa. But let me quote directly from his letter because he did some nice shooting last Fall:

"Had one good day with 'Targetmaster' 22 cartridges last November 26th. I had been having a lot of trouble for several weeks with shots going in the 9-ring from 6 to 8 o'clock, usually about four per target. As holds and everything else seemed perfect, I was becoming somewhat low in spirit. On the day in question, I was sighting in at 50 meters with scope sight and had a couple of these unexplainable shots. On the third, I just happened to notice a slight push with the right shoulder as I fired and saw the shot hit the usual place in the 9-ring. Paid attention to this and fired two nice X's, and then got down to business.

"It turned out to be one of those days when you just load the gun and fire and the bullets slide down a pipe into the 10-ring. You know the feeling—nothing can be done wrong and seemingly any old thing goes. The result was a 200-17X. Group sizes, center to center of widest shots, were: 0.61", 0.66", 0.38", and 0.59".

"I wondered how long this might go on, so I set up another target and got to work again. Sighting bull was 50-3X, the group being 0.57", and succeeding bulls were 50-5X, 50-4X, 50-3X, and 50-5X or another 200-17X, a total of 400-34X. This is slightly, let us say, better than I can shoot. Groups were: 0.17", 0.62", 0.55", and 0.27".

"Was sorry not to be able to continue as I had no more ammunition at the range, but of course will always feel some regret, for you know the feeling that such shooting would continue forever. However, the thing that pleases me most is the size of the groups, 0.56" average on the first target, and 0.40" on the second, 0.48" average for the pair. It would appear that 'Targetmaster' shoots fairly well in my gun."

'Targetmaster' is Reg. U. S. Pat. Off. by Remington Arms Co., Inc.

"SNIPER'S RIFLE" WINS ACCLAIM

Trained ordnance observers returning from overseas are reporting enthusiastically on the Remington-made Springfield rifle, informally known as "the sniper's rifle."

This rifle is essentially the same as the M1903, official designation of the Springfield—the chief differences being a half-pistol grip on the stock and a 4-power telescopic sight carefully adjusted for extra accuracy.

One officer reports:

"Captured Germans cannot understand how American parachute infantry rifleman can face a spray of 40 or 50 rounds from a lightning-fast German machine pistol, then coolly dispose of his enemy with one well aimed shot. Infantry paratroopers armed with Springfields equipped with telescopic sights were regarded with special awe by the Germans, who admitted that one bullet was often enough for these sharpshooters at distances of 500 to 600 yards."

All of which indicates that Uncle Sam's armies have superior equipment—*plus* fellows who know how to use it!

There's One (or more) in Every Club . . . . *The Distaff Side*

The medal that made the sergeant homesick

1 **SERGEANT GUNNER CASSIDY** looked at his brand-new medal and sighed. "Well," he said, "I guess now I'm officially a hot shot or a hero or something—being as how the citation says I've knocked down a hatful of jerries. But gosh—instead of busting my chest buttons I get homesick." "How come?" I asked.

2 **"WHY," HE SAID,** "because knocking down those kraut crates sorta reminds me of the duck hunting I used to do back home. I've got the sweetest-handling shotgun you've ever seen—same model the Army issued us for skeet shooting in gunnery school. It's a Remington Model 31, the one the fellows call 'the gun with the ball-bearing action.' And when I think of ducks and that gun . . .

3 **"GOSH, HOW I WISH** I was back home and it was hunting season right now! I'd take that 31 and a box of long-range Remington Express shells (what a combination *that* is!) and head for a certain marsh I know . . .

4 **"BOY, THAT MARSH** is a combination tourist camp and convention hall for ducks! Millions of 'em—and all flyin' around every once in awhile just for the exercise, I guess." "Now you're getting me down," I told him. "I'm a duck hunter too." "Look," he said, "if we ring up enough missions on the record so that maybe we can get home next hunting season, suppose we—" "It's a date!" I said. (*And it was—a swell one!*)

* * *

NEW! Looking toward the day when we can supply essential civilian ammunition, we've designed new, easier-to-recognize packages for two of your old Remington friends.

Remington has produced vast quantities of military supplies. And soon—we hope—we will once more be able to furnish sportsmen with Remington shotguns and rifles, Remington Express and Shur Shot shells, Remington Hi-Speed .22's with Kleanbore priming, and Remington big game cartridges with Core-Lokt bullets. *Remington Arms Company, Inc., Bridgeport 2, Conn.*

Remington Model 31 pump action shotgun.

Remington

DU PONT

Express, Shur Shot, Hi-Speed, and Kleanbore are Reg. U.S.Pat. Off.; Core-Lokt is a trade mark of Remington Arms Co., Inc.

POWDER SMOKE: READERS COMMENTS THE NEWS DESK

QUOTES FROM OUR V-MAIL

APO 782, New York.

". . . Of particular interest to me in the March issue was the editorial entitled 'Listen, America!' I hope Americans awaken before it is too late! We certainly don't want to return to the States when the war is over and find that we have lost our right to possess firearms. My buddies and I are very thankful that we have the NRA to fight our home battles for us while we are overseas."

Staff Sergeant C. I. Weihe.

Italy.

". . . Being a bombardier, my shooting activities have been limited. One day, however, there was pretty good hunting over Germany and I was lucky enough to outshoot a gent in an Me 109. Was using a sight I designed and built myself, so it was also a moral victory! . . . There are a lot of us who haven't been able to get to a real old shootfest for a long time and it's going to take a lot of shooting for us to catch up. If the NRA can keep the matches going, that's something for us to want to come home to."

Lieutenant J. R. McPhee.

APO 638, New York.

". . . Keep up your pre-induction training program! Give men an interest in shooting, teach them to use and respect their weapons, so that they will realize that the more they learn about a rifle—the tool of their new trade—the better their chance will be of coming back! Give them that, and you will have contributed a great deal to victory."

Sergeant R. J. Elliott.

South Pacific.

". . . I have been in action for two years, at Guadalcanal, New Guinea, Cape Gloucester, etc., and knowledge acquired through NRA club membership and study of THE RIFLEMAN has pulled me out of many tight spots."

Pfc. Joseph N. Pace.

". . . One day one of the enemy made a dash from one piece of cover to another. I squeezed, and I knew when the rifle cracked that he wasn't going to make it. He didn't! Tell the men in the Gun Club thanks for me!"

John Rishel.

". . . You fellows taught us a lot of points concerning rifle marksmanship that have to be overlooked here due to restricted training time. I was sure glad I knew what I learned from you. Tell the boys you're training that the trained men are the ones who come back."

A/S George McClanahan.

APO 726, Seattle.

". . . I enjoyed the Edson article ("U. S. Riflemen, M-1944") doubly because it supports with facts the discussions concerning the necessity of training in rifle marksmanship. It can and does pay off in combat!"

Sergeant William J. O'Connor.

NRA MEMBERS' MEETING

The 73rd Annual Meeting of Members of the National Rifle Association for the election of Directors, and for the transaction of such other business as may properly be presented, will be held Friday, October 6, 1944, 8:00 p. m. at the Hotel Mayflower, Washington, D. C.

All members of the Association have the privilege of the floor, but only Life and Endowment members may vote.

The President has appointed a Nominating Committee which will meet on August 6th to consider suggestions received from voting members.

The Committee will nominate a slate of twenty Life or Endowment members to be voted on at the Members' Meeting, to serve as Directors for the three-year term ending in 1947. The names of these nominees will be published in THE AMERICAN RIFLEMAN for October. Additional nominations may, of course, be made from the floor of the Meeting.

GOOD SPORTS

In addition to conducting a civilian school, the Wepawaug Club, at Milford, Connecticut, is furnishing rifles and equipment for the marksmanship training of the local State Guard—and this in spite of the fact that the same State Guard has for a long time deprived the Club of their range! That's what we call real sportsmanship.

ANOTHER "MAN OF PERRY"

Ralph McGill, staff writer for *"The Atlanta Constitution,"* interviewed the wife of Lieutenant Colonel Bogardus Snowden Cairns on the day following receipt of the news that Colonel Cairns had led the first wave of tanks that battered into the now-captured city of Rome. McGill's story was written in the form of a "letter" to Colonel Cairns, excerpts from which we quote:

To Lt. Col. Bogardus Snowden Cairns.

Sir:

It was mid-Sunday afternoon, June 4th, when the Associated Press brought in the news. We telephoned Mrs. Cairns and I went out to your home, to find that your son, Douglas Brougher Cairns, was celebrating his sixth birthday. (I picked up a bit of gossip about this son of yours. It seems they were speaking of you, and of the war in general, and someone said they hoped the war would end soon. Your son spoke up: "I hope it lasts anyway till I'm grown up, so I can be a Marine!" . . . Is that heresy, from the son of a Colonel in the Army?)

I'm having to fill space, you see; because Mrs. Cairns was reluctant to talk. She said *you* were the story. She did say, though: "My husband and I are both 'Army brats.' He was born in New York; I, in Panama. We met at Camp Perry at the rifle matches, and got married soon after."

"Well, a good deal of your story, prior to your entry into Rome, can be learned just by looking around your home. The Leech Cup, there on the mantel . . . I didn't know that cup was in Atlanta! It is to rifle competition what the Lipton Cup was to yacht racing. It has been in competition since 1874 and is the most prized trophy in the game. You won it in 1940 . . .

"I learned, too, that you trained for the Pentathlon in anticipation of the Olympic Games of 1940—the Games the war prevented . . . I recall your name in the steeplechase news from Fort Oglethorpe, and was reminded of that by the many trophies I saw in your home . . . Your collection of Army insignias is framed there; it must be one of the best in existence. (Bill Mason, who went along to take a picture of your family, was very proud to see in that collection the insignia of his First World War outfit, the First Division. They still dig shrapnel out of Bill whenever we have a scrap campaign!)

"I saw your citation for The Order of The British Empire, which you won for having had a conspicuous part in the success of British and American troops in Africa . . . and the Bronze Star medal 'for meritorious service and material aid to the invasion of Africa.'

"By insistent questioning, I found out that General Robert Bogardus Snowden, the great Confederate leader, was your great uncle; and that back of him was General Robert Bogardus, of the Revolution.

"The children, Douglas and Patricia, enjoyed having their picture made. They liked to see the flash bulb go off. So we made an extra picture for them . . . I enjoyed meeting your family.

"Sincerely and gratefully,

Ralph McGill."

Mrs. Cairns' father, Brigadier General Brougher, was still another "Man of Perry." He was taken by the Japs at Corregidor. Colonel Cairns' brother, Douglas, is in the South Pacific with the Air Force.

"Men of Perry"—rifle-shooting men, trained in the Perry tradition of marksmanship whether they actually shot at Perry or only on their home-town ranges—are playing a magnificent part in this war and their record is one of which the NRA and its clubs can be, and are, justly proud.

GLENDALE BUYS BONDS

Walter Logan, former member of the Glendale Rifle and Revolver Club, Glendale, California, whose name appears in our obituary column this month, has given his all for victory. His fellow members of the Glendale club, still on the home front, are giving what they can in the form of unstinted effort toward the training of riflemen in their Small Arms Firing School classes—and in cash.

The Club, as such, has purchased a war bond for each of its members in service. Now they are "raising the ante" to buy more bonds—and will continue so to do as long as there is cash in the till . . . An idea, we think, worthy of imitation!

SIGHT PROJECTOR AIDS CLASS TRAINING

The Devereux-Wappler Sight Projector, mentioned briefly in *The Rifleman* some years ago, merits additional attention now in view of current class training activity in connection with the Small Arms Firing Schools program.

Manufactured and sold by the American Cystoscope Makers, Inc., 1241 Lafayette Avenue, New York City, the electric sight projector can be attached temporarily and quickly to any rifle or pistol. It consists of a tubular light carrier with a lens for projecting a clear, sharp picture of the sight-image on the target. The projector is equipped with two styles of inter-changeable reticules. One of these produces the aperture-rear, post-front sight picture typical of military rifles. The other produces the sight picture seen when using a pistol equipped with patridge-type sights. Price, complete, is $12.50.

The weight of the device, attached to a rifle, is not perceptible, and even when mounted on a handgun the extra weight is not objectionable. Against a target not otherwise illuminated, the actual sights of the gun are not visible and are ignored in using the device. (In using rifles equipped with large rear sight disks it is ad-

visable to remove the disk to secure unobstructed vision of the projected image.) The shooter uses only the projected sight-image in aiming. He sees the same "picture" at any instant that he would see in using iron sights; but because both the sights and the target are in the same plane and can be focused sharply, the "picture" is much sharper and clearer than it is when seen through the sights themselves. The projector, therefore, not only allows the shooter to practice without eye fatigue but enables him, and/or his instructor, to detect small errors in his shooting technique which could not ordinarily be seen.

In the instruction of beginners, this device is extremely helpful and simple to use. Errors in sight-picture, breathing, position, or trigger squeeze, are glaringly apparent, not only to the student and his instructor, but to every member of the group under instruction. Exercises in "calling the shot" or anything else which may be practiced by dry-firing can be conducted by the use of the projector.

Tests of this device, conducted within the Small Arms Firing School classes sponsored by NRA Headquarters in Washington, show that it will not only perform perfectly but that its use is highly popular with beginners, who are apt to be soon bored with other forms of "dry" practice. The use of the projector for instruction among club members or with pre-induction training classes is highly recommended.

STOLEN GUNS

One Remington Model 14A, .35 caliber, Number 55889. Charles Collins, Collins Tire Service, Redwood Falls, Minnesota.

One Hi-Standard Model B, Number 71049. P. M. Dowling, Cavendish Road, Winter Park, Florida.

One Winchester Model 70, .270 caliber, Number 48263, hand-finished stock, 330 Weaver scope with Stith mount. Alex Ware, 312 Central Avenue, Great Falls, Montana.

One Colt Match Target Woodsman .22, Number 6404. Notify Lieutenant J. J. Newman, 127 Woodbine Ave., Wilmette, Illinois.

COMING EVENTS

California, August 12-13—Southwest International Pistol Matches, Los Angeles. Basil L. Starkey, 3620 W. 62nd Street, Los Angeles.

Illinois, September 10—1944 Pistol Tournament, Deerfield. C. Myron Huls, 1821 Broadview Avenue, Highland Park.

August 20—Illinois State Rifle Ass'n .45 Caliber Championship and Foreman Trophy Matches. R. W. Maloney, 5553 W. Grace Street, Chicago 41.

August 27—1944 Rifle Tournament, Deerfield. C. Myron Huls, 1821 Broadview Avenue, Highland Park.

Iowa, August 13—Iowa State Ass'n Annual Pistol Tournament. J. G. Johnston, 219 W. 7th Street, Muscatine.

Michigan, August 20—Annual Mid-Summer Pistol Tournament, Flint. A. J. Marxhausen, 2521 Thomas Street, Flint.

North Carolina, August 19—The Greensboro Open Small Bore Rifle Tournament. J. R. Holshouser, 900 Fairmont Street, Greensboro.

New York, September 3—Grumman Pistol Match, Bethpage. R. C. Bowman, Grumman Aircraft Engineering Corp, Bethpage, L. I.

Ohio, August 12-13—Small Bore Rifle. H. W. Miller, 621 7th Street, Marietta.

August 13—Thompson Trophy. S. A. Edgell, % Ohio Rubber Co., Willoughby.

August 26-27—6th Annual Small Bore Tournament, New Philadelphia. Richard Paddock, 435 Fair Avenue, N. E., New Philadelphia.

Pennsylvania, September 3-4—Pennsylvania State Small Bore Tournament, Altoona. R. B. Barry, 407 2nd Avenue, Altoona.

September 24—13th Annual Fall Small Bore Rifle Tournament, Allentown. A. M. Newhard, 111 E. Susquehanna St., Allentown.

Utah, September 3—Small Bore Rifle Tournament, Camp Kearns Range. A. J. Schindler, 1948 Douglas Street, Salt Lake City.

Non-Registered

New Jersey, August 5-6—Small Bore Rifle Matches, Paterson. John Berger, 447 Kearney Street, Paterson.

September 9-10—Small Bore Rifle Matches. John Berger, 447 Kearney Street, Paterson.

New York, August 20—.22 and .38 Caliber Pistol Matches, Poughkeepsie. Henry J. Marx, 10 New Market Street, Poughkeepsie.

September 17—Lt. Thomas Lewis Memorial Trophy Match, Roslyn. Clarence W. L. Hammedieu, 15 Dennis Street, Manhasset.

WE'LL UNLOAD 'EM

From The *"Philadelphia Record":* "Promise of a day when swords will be turned into plowshares seems to be indicated by the invention, by Frank Costello, of a machine for unloading cartridges. The machine takes cartridges in quantities, pulls out the bullets, empties the powder. Costello has assigned the rights in his patent to the Government."

A. E. Burchkardt, of Philadelphia, who sent us this clipping, says: "There are several million 'cartridge unloaders' in America who are begging for a few cartridges to work on—and who would pay for the privilege!"

NEW BOOKS

"THE GERMAN ARMY"

By HERBERT ROSINSKI

Americans have always heard much concerning the efficiency of the German Army. The generation who lived through the first World War came to believe that the power behind the throne in Germany was a somewhat mysterious and terribly efficient German General Staff. During this war much has been said about the probable conflict between the General Staff and Hitler and his Nazi officers. This book is an authoritative history of the development of the German Army and General Staff, of the methods followed to keep it alive during Germany's period of chaos and disarmament, and an interesting commentary on the operations of the General Staff and the modifications imposed on it by Hitler's rise to absolute power in Germany.

The American civilian and probably a majority of our military people have considered the German Officer as being uniformly well bred, well educated and rigidly governed by the code to which the Anglo-Saxon refers when he says "an officer and a gentleman."

To most of us, one of the most interesting revelations in Doctor Rosinski's book is the description of the widely variant types, both as to educational qualifications and social background, who have composed the German Officers Corps from the beginning of the Imperial German Army down to the present day. Here apparently lies the explanation of the otherwise inexplicable contradictions in officer behavior so frequently reported in both World War No. 1 and the present war, such incidents as the scrupulous observance of military courtesies and the Red Cross insignia in some sectors and a brutal and treacherous disregard of those same courtesies and obligations in an adjacent sector of the same front.

Doctor Rosinski is a historian with a particular interest in matters military. Born in East Prussia, he took his Doctor's degree at the University of Berlin and was a lecturer in naval and military theory at the Naval Staff College in Berlin from 1932 to 1936. He is therefore thoroughly qualified to discuss the involved story of the development of the German Army and the German General Staff from behind the scenes. By reason of his intimate knowledge of the military, his book will be of primary interest to military men and to that comparatively small group of American civilians who have acquired a working knowledge of military history and organization. While much of "The German Army" will prove interesting reading to every rifleman, a considerable part of the book will frankly be "over their heads." To the military man and military student, "The German Army" is, however, a literary "must."—C.B.L.

(220 pages, cloth, The Infantry Journal, Washington, D. C., $3.00.)

"MATHEMATICS FOR EXTERIOR BALLISTICS"

By GILBERT AMES BLISS

An up-to-the-minute treatise on modern ways and means of theorizing about the paths of fired projectiles and air-borne bombs, by an author who taught Exterior Ballistics at the University of Chicago. This is his own text book for such courses; a compilation and correlation of old methods and new, of special-purpose methods with general-purpose methods of the same or other eras. It is a book that remembers and collects under one cover all that has gone before it in the field of ballistic research, compressing it all into a concisely abbreviated version. The book may interest many, but it will be usable only by mathematicians and advanced theorists and ballisticians who are proficient with differential equations and calculus.—F. C. N.

(128 pages, cloth, John Wiley & Sons, Inc., N. Y. C., $2.00.)

"EXPLOSIONS, THEIR ANATOMY AND DESTRUCTIVENESS"

By CLARK SHOVE ROBINSON

This timely book tells all that can be publicly told about explosions at this time and, probably, all the public can grasp. It deals with the causes, the nature, the kinds, the degrees, and the manner of explosions and the effects of all of these. It is a study of the phenomena produced by the different types of explosives during the process of detonation. Coming from the Chemical Engineering Department of M.I.T., it is authoritative, and it is embellished with charts, formulae, graphs, and mathematical equations for those readers who are intimately connected with the field and have a scientific interest in the subject. Despite this, it is fascinating to all readers, because the author's style is simple and clear and his information understandable.

In brief, the book progressively expands the study from the definition and classification of explosives and explosions to a survey of the history of notable explosions and their object lessons. It tells and shows how an explosion starts and progresses and what results from a detonation; how fast its air blast, shock wave, and missiles travel; how its phenomena are observed and measured; how it affects surrounding buildings, materials and different kinds of earth structure; how its missiles act and affect surroundings; and how its shock wave operates and affects the ground and different earth-bound structures. Small as a manual, it is a book in scope.—F. C. N.

(88 pages, cloth, $1.50, McGraw-Hill Book Company, Inc., N. Y. For sale through NRA Book Department.)

"THE KENTUCKY RIFLE"

Word has been received from Mr. George N. Hyatt, 102 W. 18th St., Wilmington, Delaware, that he has completed arrangements with "Cap" Dillin to reprint "The Kentucky Rifle." This unique complete work on The Kentucky was originally published by the National Rifle Association about twenty years ago and has become something of a collectors' item during the past few years. We are advised that the book is to be republished by Mr. Hyatt in approximately its original format, except for considerable enlargement and correction in the list of makers' names. The price is to be eight dollars, and the first books are expected to be available for delivery about October 1st.

Mr. Hyatt is himself a collector of Kentuckys and is known to many of the flintlock and muzzle-loading clan.—C. M. P., JR.

THE WOLVES OF NORTH AMERICA

Four happy gobs of the U. S. S. Texas recently wrote the Arizona Game and Fish Commission a letter of gratitude for four wolves teeth which they are now carrying as lucky charm pieces. Their mates are crying for similar charms.

It's rather amazing, the influence the wolf has had and has on our everyday lives. The introduction to "The Wolves of North America" points out that the wolf "has left a mark upon the pages of literature and legend, even to modern slang which applies the name of the animal to the human love predator, and to another extreme—the enemy submarines of the second World War. Even though the animal may finally be exterminated from the earth, its imprint nevertheless is left on history, fiction, medicine, poetry, myth, legend, and even the nursery rhyme."

"The Wolves of North America" is a milestone in scientific literature. It's easy reading and the facts are illuminated by interesting, amusing, and amazing anecdotes and quotes from ancient and contemporary literature. Part I, by Young, covers the past and present distribution of the wolf, its habits and characteristics, economic status, control, and a brief history of depredations and co-operative federal control measures. Part II, by Goldman, considers the more technical aspects of the animal's classification into species and subspecies. It also presents an eighty-page bibliography.

To wildlifers and biologists the world over the best recommendation for this book, however, is the names of the co-authors. Young, an authority on predaceous species, has made the study of the wolf a specialty, a life work. And Major Goldman is one of our leading mammalogists, recently retired after fifty-one years of service with the U.S.B.S. and F. & W. Service.—C. M. P., JR.

(660 pages, buckram, profusely illustrated with 137 half tones, six full color plates from the brush of George Weber. American Wildlife Institute, Washington, D. C., $6.00. For sale through the NRA Book Department.)

Colonel Herbert O'Leary

Colonel Herbert O'Leary, Ordnance Department, U. S. A., died at Walter Reed Hospital in Washington on July 2nd. He had served as Chief of the Small Arms Division of the Ordnance Department in 1919 and was one of the group responsible for the development of the M1 boat-tail ammunition for the Service cartridge as a result of the demand during World War One for a longer range and more powerful small arms cartridge.

Colonel O'Leary was keenly interested in automatic and semi-automatic weapons and the caliber .50 machine-gun was initiated in 1921 and developed under his supervision. He also had much to do with the early developments in the direction of a semi-automatic shoulder rifle, which eventually evolved into the present M1 Garand.

Colonel O'Leary was a familiar figure at the National Matches during the Twenties and frequently visited Camp Perry during the Thirties whenever his assignments made it possible for him to make the trip on his own time to renew old acquaintances. He was buried in Arlington National Cemetery.

Major Charles Edward Etches

Word has just been received from England that Major Charles Edward Etches, who for seventeen years was Secretary of the National Rifle Association of Great Britain, and was well known to American riflemen who have participated in various international competitions with the British, has been killed in an air raid on a town in southern Britain.

Walter Logan

Walter Logan, twenty-nine, paratrooper, rifleman, former member of the Glendale Rifle and Revolver Club, Glendale, California, was killed in action in March of this year. Winner of the Purple Heart, Logan is survived by his two sons, Patrick and Michael, to whom the decoration was sent, and by his mother, Mrs. M. L. Logan, of Glendale.

Alfred Nelsen

Alfred Nelsen, of Warren, Pennsylvania, veteran of World War I, Life Member of NRA, member of the Warren Rifle and Revolver Club, the Kalbfus Rod and Gun Club, and the Pennsylvania Rifle and Pistol Association, died April 20th in St. Vincent's Hospital, Erie, Pennsylvania, following an operation.

Mr. Nelsen will be remembered especially for his interest in .30 caliber shooting. He was also a capable smallbore marksman. He was a regular attendant at the National Matches at Camp Perry, a member of the American Legion "Gold Team" in 1940.

During the year preceding his death, Mr. Nelsen spent over one hundred hours as an instructor in the Warren Small Arms Firing School.

George Wolcott Fleming, Jr.

George Fleming, Life Member of NRA, member of the Henniker Rifle Club, Henniker, New Hampshire, died June 4th at his home in Southington, Connecticut, after a protracted illness.

Mr. Fleming was a medal-winning rifle and pistolman from 1928, when he shot with Worcester Tech collegiate team, to the beginning of his long illness. He was a member of the New Hampshire State Team in 1931.

A friend and fellow club member says of him, "He was a good shot and a swell sportsman. He will be badly missed."

DOPE BAG ☆ ☆ ☆ Conducted by F. C. NESS

THIS MONTH:

Chamber Converters · Varminter Tests · Hornet and K-Hornet · Homemade Handgun · .218 Bee · Mashburn Bee · Loads and Impacts · Relative Drop · Fired-Case Bullets · Technique · Cleaning · Tools · Results · O.K. Rifled Slug Tested · Trade Dope.

RELOADABLE STEEL CONVERTER CASE

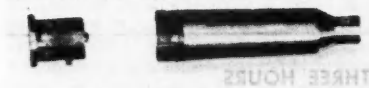
Ralph Engel, of Ida, Michigan, sent us his patent drawings before May in 1943, and we had made our selection and received the first sample two months later. It was returned to Engel in September last year, and the Trade Dope announcement appeared in the October Dope Bag. Since then we have tried three more of these Engel cartridge converters, all made for my Gebby Varminter and to shoot Hornet ammunition. One of these, for the K-Hornet handloads and factory Hornet ammunition, is shown in the accompanying photographs.

It is a clever device made like a case to chamber exactly right in the rifle but with a demountable head which carries the separate striker instead of a primer. This head is locked on the base of the smaller cartridge for which it in turn is chambered. This is done by a lip or projection on the head and a slot on the body, their engagement requiring less than a quarter-turn of the head. An auxiliary spring-actuated latch pops up from the head and prevents its turning back to unlocked position. This latch is depressed with the thumb nail when the head is to be removed. This provision may not be necessary unless the head is a loosely fitted one that turns easily. Those we tried were very closely fitted and resisted turning, one of them requiring pliers.

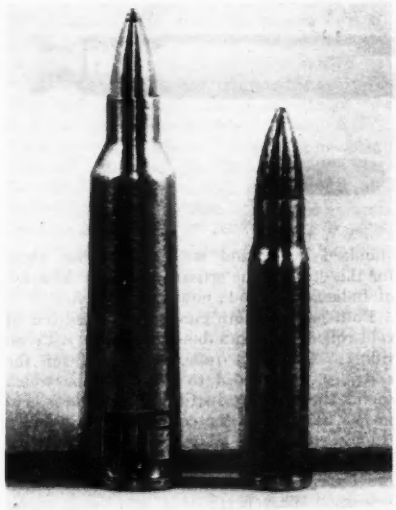
The first one Engel made was for the M 99 Savage in .300 Savage caliber, probably for the .32-20 ammunition. He can make them for shooting this little load in the .30-40 Krag, .303 British, and .30-'06 also. He makes them for the .250 Savage and .257 Roberts to handle the .25-20 Repeater load or the .255 Dean, and these could also be made to take the .25 Oakey Hornet, made years ago by friend Walter Oakey, for squirrel shooting, and a fine small-game load. It was described in the Dope Bag after Walter had tested it and found it satisfactory. Engel also includes the .22 caliber by making his converters for the .220 Swift and .22 Varminter to handle such sub-cartridges as the Hornet, K-Hornet, and 2R Lovell. In the wider body he can also accommodate the .218 Bee. It seems to me that the most appealing application of this converter idea would be the shooting of any small factory load in a bigger wildcat chamber. The first three we tried in the .22 Varminter adapted that rifle for K-Hornet handloads as well as factory Hornet ammunition. The fourth sample, just received, for the same rifle will handle the standard Hornet cartridge only.

Our first shooting experience with the Engel converter was last November when I tried it in my Gebby Varminter at 50 yards from portable bench rest. This first one was pretty stiff. I had to push down the release latch with a screw driver and turn off the head with pliers. Then I had to drive out the fired case with a piece of rod. Subsequently, this tightness was eased up by Engel. However, they are awkward to handle when fingers are stiff from cold and they are slow in the field. For game shooting, at least three of these converters should be carried ready loaded. Engel makes the base end a little full so it can be fitted to the rifle and its headspace by grinding, filing, or stoning. Even with a free and imperfect fit the accuracy was satisfactory, or good enough for practical shooting.

In that first test at 50 yards the time required to load and unload was considerable and naturally limited the amount of shooting. However, I managed to try one group with each of several loads. The Remington Hornet made 1.06 inches with the 46-grain O.P. load and .63 inch with the 45-grain S.P. bullet. The 46-grain O.P. bullet of Western Super-X made .50 inch. Our K-Hornet handloads made inch groups, both even. These loads were purposely heavy to test the converter, which took them without trouble except for a sticking of the fired cases, which sticking was slightly tighter with these heaviest loads. One was the 45-grain 8-S bullet and 13.2 grains No. 4227 in small Western cases. The other was the heaviest load ever used in any K-Hornet, or 12.2 grains of the same powder behind the 50-grain 8-S bullet, in the same cases. These loads would have been appreciably less dense in the thinner Remington cases of greater capacity, since the latter hold .10 gram more water, or fully 10% more.



The Engel Converter Cartridge for the .22 Varminter Above: apart for loading. Below: ready to shoot with K-Hornet (right).



The zero for all these different loads was pleasingly uniform. With only two exceptions, they all landed an inch above aim at 50 yards and varied in lateral impact from .20 inch right to .75 inch left. The only 45-grain S.P. tried landed .75 inch high and an inch left. The 50-grain bullet of the heaviest load landed 1.25 inches above aim and the same distance to the left. At 100 yards, I got 4 shots into 2.0 inches, for impact, which was 1.5 inches high and 2.5 inches left, using the Super-X factory load. For comparison, two regular Varminter handloads were fired at 100 yards also. These landed 1.17 inches apart directly on a line above aim and 2.25 inches high. That was only .75 inch higher than the factory Hornet load.

This first converter had excessive rim clearance, or headspace allowance, in its inside chamber which permitted some slap of the Hornet cartridge back and forth. As a consequence, the fired cases were imperfectly reformed with an extra marking ring, or joint line, at the shoulder. None of these cases have been saved for reloading because of this and because too many of them split or rupture at or near the shoulder. Subsequent samples received from Engel had this same drawback but in less degree. That is the worst fault we have been able to find, and it is, of course, not a serious one. We have not used them enough to determine their life or durability, but the only vulnerable parts are the latch and the firing pin. Any tendency towards corrosion could be controlled by keeping it thinly coated with a thin liquid rust-inhibitor or by having them made of stainless steel. Ours may be of such anticorrosion metal as no rusting has developed after all these months.

A point to remember, when selecting the sub-cartridge to be used in one of these converters, is the relative diameter of both chambers at the widest part of the smaller, or inside, cartridge. Even if it can be used there must be an adequate minimum differential or the walls of the converter will be too thin at that point. For example, the regular Hornet and the old .22-3000 Lovell, respectively, are better for such employment than the K-Hornet and the 2R Lovell, because the former pair are thinner at the shoulder and therefore leave more room for thicker walls in the steel converter.

The second converter received from Engel was tried in March this year. It was more accurate than the first and more easily operated, requiring no pliers or other aids to the fingers. Its fired cases stuck a little and required some tapping, but they did not have to be driven out of the converter as was necessary formerly. The biggest group at 50 yards was ⅞ inch, and this time two of the loads coin-

cided in impact. In May, it was tried at 100 yards, for only one group, with factory Hornet ammunition. This was a different lot of Remington O.P. stuff. It was a windy day and it made a horizontal group of 2.37 inches, which was the spread of the extreme horizontals. In my Daly Hornet 'K-Hornet chamber' that same day this same load made a round group of 2.25 inches, which was not much better. The other day, Barr tried this Engel converter and the same Hornet ammunition at 200 yards in his Varminter Pup, which was chambered by Hervey Lovell. It made a 6-inch group, which was good enough for the load at that range, and as good as that obtained in this rifle, the same day, with some homemade jacketed bullets that had been sent in for our test on account of their reported fine accuracy.

THE .218 BEE

The Winchester .218 Bee, virtually a necked-down .32-20 or .25-20, is nearest of all our standard cartridges to the 2R Lovell wildcat. It has about the same head, neck, capacity, and compactness. Its velocity of 2860 f.s. m.y. with Hornet-type bullets is nearer that of the old .22-3000 Lovell, or K-Hornet, the ballistics of the 2R Lovell agreeing more closely with those of the bigger .219 Zipper in factory loads. The .218 Bee is shorter than the Hornet and is adapted for the smaller models of the Winchester lever-action repeaters. The Model 65, standard for this cartridge, is a fine, light, handy, and accurate arm, particularly after Stith has worked it over and fitted it with a 330 Weaver scope in his low-placed Stith mount on top. This Special Stith does not interfere with ejection and it makes the M65 a fast outfit for running jacks or coyotes. Our record with one of these outfits shows that 10-shot groups of 1¾ to 2½ inches at 100 yards may be expected with any and all factory loads without selection.

In our Model 54 Winchester, rebarreled at the factory for the .218 Bee, our handloads have spread between 1.35 and 2.00 inches per ten shots at 100 yards. The 5-shot groups have been as small as ½ inch, usually between 1¼ and 1½ inches at the same range. At 200 yards, they have been consistently under 3 inches spread, or between 1.87 and 2.80 inches per five shots. In my light No. 2 Gebby-Winchester S.S., factory loads have grouped between 2.15 and 2.48 inches per ten shots at 100 yards, while our heavy handloads shoot into 1¾ inches per ten. For handloading, the .218 Bee provides a strong modern case superior to that of the .25-20 S.S. used for the Lovell loads, which case is relatively weak. The Bee case holds two grains less weight of No. 4198 powder than the 2R Lovell, but the Mashburn Bee holds fully as much as some Lovells and should equal their 2R Lovell ballistics. More about this later. On account of the modern case, many shooters may prefer the Mashburn Bee which offers the further advantage of accepting factory ammunition in the same chamber.

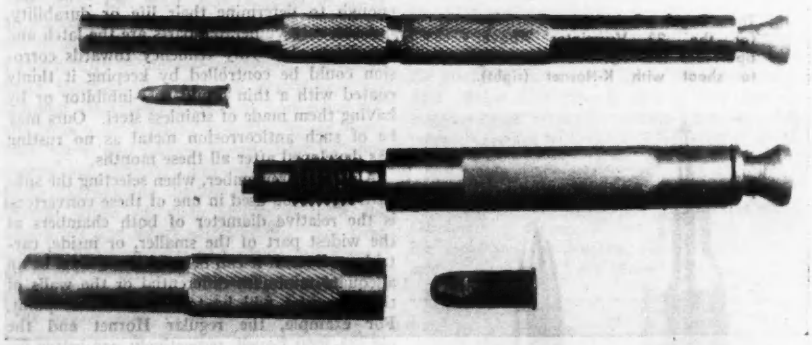
A. E. Mashburn, of the Mashburn Arms Company, has been using the Mashburn Bee for three years, as have his customers. Accuracy as fine as that of the Lovell has been reported, and with equivalent loads. He says he prefers a full load of 17 to 17½ grains No. 4198 behind 50-grain bullets. The 55-grain bullet can also be used with these loads, as in the Lovell. He claims longer life and easier extraction of cases for the Mashburn Bee with these extreme loads, and also good accuracy with factory loads in the same chamber. There is no factory load for any of the Lovells. He also alters the M70 Hornet rifle, magazine and all, into a repeater for the Mashburn Bee.

E. O. Franzen, of Minneapolis, Minn., has had considerable experience with the standard .218 Bee and believes it is reliable on small game up to 200 yards under *favorable* conditions. These "favorable" qualifications mean: a select rifle and load, with a good scope, in the hands of a good shot. He had a high-wall Winchester S.S. in .38-55 caliber heat treated and equipped with a .218 Bee barrel in No. 3 size by the factory. He stocked it with Bishop blanks and added a draw bolt to secure the buttstock. A 10-X Lyman scope was fitted and factory ammunition was tried at 100 yards. Super-X hollow-point loads spread 2 inches while Winchester Soft-Point stuff ranged from 1¼ to 1½ inches in spread, measured center to center. With the latter load a group as small as 1½ inches was obtained at 200 yards, and the average spread was 2½ inches at that range. The hollow-point load just held the ten-ring with its 4-inch groups at 200. These were all 5-shot groups. The impact was an inch high at 100 yards with the Soft-Point factory load and 3½ inches low at 200 yards.

Franzen tried handloads with No. 2400 and No. 4227 and Sisk bullets, increasing the charges gradually until primers were pierced. His ultimate load was 15 to 15½ grains of No. 4198 behind 50-grain bullets. By packing, he said he managed to get 17 grains of No. 4198 into the case and, with this charge, got less than a minute-of-angle spread at both ranges with the 50-grain Sisk and the 45-grain 8-S bullets. Groups averaged a little over an inch at 100 yards with better accuracy at the longer range. The best load at 100 yards was 16 grains of No. 4198 behind the 50-grain Sisk bullet, with a group of 11/16 inch. At 200 yards, ½ grain less gave 1-7/16 inch spread with the same bullet. The heavy load of "17 grains" behind the 45-grain 8-S gave an inch group at 200 yards. We have never been able to get that much powder into even the larger Remington cases, and are skeptical about the accuracy of Franzen's scale. More later, about this.

Franzen used about 300 factory loads and 600 handloads in his testing of this .218 Bee, which should make his target dope pretty reliable for 5-shot groups. Ten-shot groups are not nearly as good in our own testing but they give a more accurate index of the caliber's capabilities. Over many years, we have found that field shooting does not provide a true picture of grouping ability. A fifty-shot group or a series of ten-shot groups at the given range are far more trustworthy in determining the real accuracy. However, extended field shooting and repeated firing of five-shot groups provide an adequate indication, and there is no doubt that Mr. Franzen has an exceptional rifle capable of better accuracy than the average .218 Bee. He used it for his varmint shooting in 1943, and it started with a 200-yard kill of a crow on the first shot. The longest shot was centered on a chuck at 225 yards. The best shot was the killing of a small Cooper's hawk at 185 yards. The most spectacular shot was the bursting of a crow at 85 yards in which

A PISTOL MADE IN THREE HOURS



As a commentary on the futility of anti-gun laws, the following item is offered for earnest consideration. An amateur machinist had just learned to run a lathe when he decided to learn whether he could make a gun. In just three hours he had a deadly weapon ready to fire with .38 Long ammunition. Later, when the supply of .38-caliber cartridges petered out, he quickly changed it to the .41 Short rim fire. Then he made another, in .22 rim fire in the same length of time. Both are shown in the accompanying cut. We found they could be readily fired with standard loads, and we photographed them for this story. The artisan was Terry Murray, of Indianapolis, Ind., now in the Service.

Both parts of both guns were turned out of cold-rolled steel and bored straight, with no rifling. The front tube, chambered for the cartridge, is threaded to the rear tube which carries the spring and striker. This gun is held in one hand while the cocking knob is pulled back by the other. When released it flies forward against the primer and the powder sends the bullet out of the front end at handgun velocity. What next?

only wings and feet remained intact. The total bag for this outfit was 67 crows, 26 hawks, and 39 chucks.

Our dope on the trajectory of the .218 Bee, from the standard factory chamber, was obtained with 16 grains of No. 4227 powder and the 41-grain Sisk bullet. With the impact an inch high at 100 yards it became 2.50 inches low at 200 yards, which is an inch better than Franzen got with his factory load. When he reported using 17 grains of No. 4198, we sifted our cases full of this powder, to the mouth, and compressed it with the 55-grain Sisk Niedner bullet. This charge weighed only 15.4 grains, but it sent the heavier bullet only 2.17 inches low at 200 yards. The 55-grain bullet indicated an impact 19.65 inches below aim at 300 yards with the same zero, and the 41-grain Sisk landed only 16.17 inches low at that range. All were zeroed an inch high at 100 yards. The 55-grain trajectory was duplicated in the Jaeger Lovell with 18.5 grains of No. 4198. Unfortunately, we have no comparable evidence to indicate the relative pressures. The heavier charge, however, made almost the same curve with its impacts 2.20 inches low at 200 yards and 15.85 inches low at 300 yards. All impacts, including Franzen's, were 1 inch high at 100 yards. The scope heights were not the same, being 1.56, 1.60, and 1.68 above the bore, the angles of departure were different, and bullet drop was not the same for each, even when the impacts checked closely. The apparent gravity drop of the 41-grain bullet was 19.22 inches over 200 yards and 41.25 inches over 300 yards, while that of the 55-grain bullet was 19.25 and 42.57 inches, respectively. The respective drop figures for the Jaeger Lovell and the 55-grain bullet were 17.80 and 39.25 inches. This from 1.1 grains more of the same powder.

Since Franzen referred to Western-Winchester factory ammunition, we assumed his handloads were loaded in fired cases of these two makes. We found the Winchester case would hold 15.6 grains of No. 4198, sifted and packed, and that 16.0 grains could be tamped in with a rod. The Mashburn Bee of the same brass held 16.3 grains, packed full, and only 16.4 grains when tamped with a rod. Remington brass is thinner, in the Hornet and Bee, and holds more powder. However, even the R. A. .218 Bee held only 16.3 grains, packed, and 16.6 grains, tamped.

Finally, we obtained from Mashburn two fired cases of both makes and found them bigger than cases he had previously sent for the same purpose. These miked .349 at the base and .333 at the shoulder, whereas the one received a month earlier measured .346 and .332, respectively. That one had held 1.30 grams of water, while the new expanded cases held 1.35 grams in Winchester make and 1.40 grams in Remington make. In these two, which had been fired in the Mashburn Bee chamber, we could get 16.9 and 17.5 grains of No. 4198 powder, respectively. This, of course, equals the full capacity of the 2R Lovell and verifies Mashburn's claims about same.

DO YOU KNOW MURRIETA?

On the west side of the San Joaquin Valley, in California, the Diablo range has a peak known as Murrieta Rocks, with a spring at the base of the huge rocky formation. This isolated spot was a favorite camping ground of the Murrieta robber gang, because it offered a view of the valley in the direction of possible pursuit. Years ago, a cowman of the district dug up here a sawed-off shotgun, it is said, traced to Three Fingered Jack of the gang.

W. E. Ellis, of Fresno, Calif., has a gun of this description and purportedly the same gun. It has fourteen notches cut into the wood under the left lock plate. These show clearly in the photograph. It is an old muzzle loader made by William Moore & Co. of London, and the barrel rib is marked "Fine Twist." The lock plates are nicely engraved, but it has no serial number. As shown, it has been cut off at the fore-end tip and behind the grip. Mr. Ellis would like more dope on it, especially as to its probable date or normal period.

MORE DOPE ON .22 BULLETS

We have now made and fired a sufficient number of bullets made of fired .22 rim-fire cases to know something about them. We have found that they leave no copper fouling in the bore and that they do not disintegrate in flight even at velocities as high as 3700 f.s. Also, that they break apart readily upon impact, even at velocities as low as 2800 f.s. Properly made, they are adequately accurate for shooting vermin as small as crows at 200 yards. On crows and ground squirrels they give beautiful bursting effects. Our latest R.C.B.S. 49-grain bullets gave 3-inch 10-shot groups at 200 yards in the 2R Lovell. The best group had eight shots in 1.75 inches with all in 2.78 inches. Even those made of unevenly cleaned cases, which varied nearly four grains, put all sixteen shots in less than 3½ inches at 200 yards. All this shooting was done in a mild but variable 12-o'clock wind and under an interference of extremely heavy mirage.

C. G. Moffat, of North Hollywood, Calif., wrote about his sweaty experience with the R.C.B.S. equipment in the Pacific Reloader, saying he had already shifted to a large bench vise and was planning to use his own split dies in a hydraulic press. His present production is a .224-inch 54-grain bullet. Oddly enough, it works well in his .2225-inch groove with a twist of 1 to 16. His Varminter has a 330 Weaver with Lee dot and, with it and these bullets, he regularly blew up ground squirrels at an average range of 200 yards; one as far as 347 paces from the gun. He says his velocity is above 3700 f.s. and reports 100-yard groups of 9/16 by ⅞ inches without wads, and of ½ by 9/16 inches with .033 base wad. These bullets did not group as well at 2850 f.s. in his 2R Lovell, but they blew up ground squirrels with equal regularity.

Moffat learned that he had to push this bullet hard in his tight Varminter barrel (a Hornet blank) in order to get adequate accuracy. His load with wad was 36 grains No. 4320. A load of 38.5 grains No. 4064 made a 5-shot group of 9/32 by ¾ inch. Both loads are too heavy for the tight barrel and cause extraction trouble. However, when the bullet diameter, or either load, is reduced the accuracy suffers. The only group Moffat fired at 200 yards measured 1½ by 2-11/16 inches. C. R. Brookins, of Des Moines, Iowa, got some of these bullets and used the Moffat load in his own Varminter at 100 yards. The 5-shot group measured 2 by 1 inches.

Our samples looked good and we obtained more from Moffat who thought they might be less sensitive to loading density in our more conventional Varminter rifles and their 14-inch twists. These 54-grain Moffat bullets weighed 53.3 grains on our scales. We loaded them in cases, reformed by Moffat, which fitted our Gebby Varminter snugly, using 35 grains of No. 4320. At 200 yards four of the first five shots went into 2.62 inches plus a 6-inch flier. The next five made a 4.07-inch group. With 17.0 grains No. 4198 in the 2R Lovell ten of these bullets made a 200-yard group of 6.10 inches. In the .220-30 Pup with 28 grains No. 3031 they put ten shots into 2.27 inches at 100 yards. In the Varminter they equalled the Hornady 50-grain.

W. M. Geiger, of Indianapolis, Ind., has been using the R.C.B.S. equipment since last fall, and has broken two Pacific tools, each twice. Finally, he had one made up of tool steel and he is now making double-jacket bullets from fired rim-fire cases. The samples received are nicely formed with a copper .22 Short jacket outside a brass .22 Short jacket. The inside brass extends beyond the outside copper cylinder and forms the ogive up to the lead point. The brass .22 Short cases can also be used inside copper .22 Long-Rifle cases to make an equally tough jacket without danger of brass plating the bore at high velocity. Geiger's bullet of 48 grains shoots well in his .220 Swift.

He killed a hawk at 345 paces and said the expansion compared favorably with that of the factory load at 200 yards. This one ranged through the hawk from back to breast leaving an exit hole the size of a half-dollar. This shooting was done with Geiger's Zipper. In his .220 Swift he varied the load from 38 grains No. 4064 to a grain over maximum and all shots, mixed, went into 1¼ inches at 100 yards from bench rest. Although the twenty samples were made of different makes of cases the extreme variation in weight was only 1.3 grains and the variation in length was .010 inch. They were also slightly out of round, or from a minimum of .0003 to as much as .0007 inch. We selected the most uniform for the Varminter and got 8 in 7.32 inches, at 200 yards.

Paul Bossemeyer, of the same town, also uses R.C.B.S. equipment and broke his Pacific tool twice. He had it welded and restored its usefulness after having the ram replaced by a longer piece threaded into the die holder to insure proper alignment. In welding our own broken Pacific we left a die in place with plunger or swaging punch snugly holding it to insure alignment. The snug-fitting punch was broken but the die remained as practical as ever with only a slight bluing from the welding heat. Warping was prevented by heating both sides of the frame evenly with care. It became stronger than ever but we also braced it with strap iron as recommended by Huntington for employment of his R.C.B.S. equipment in all such tools.

C. L. Russell, of Rocky River, Ohio, has had some experience with R.C.B.S. equipment. He uses a wooden grip on the Pacific operating rod, for greater comfort, without extending the latter. He also improved the accuracy of his wire cutter by adding a trough for a guide. He rolls the lead wire on a smooth, hard surface with a special maple holder for truer roundness and more uniform thickness. He lets the surface of the rolling board slightly below the surface of the holder, the latter being equipped with two handles. After annealing the cases and swaging the bullets, he cleans them with a dilute solution of zinc chloride (zinc dissolved in hydrochloric or muriatic acid to the point of saturation) and sulfuric acid (vitriol) and water. He says it does not harm the lead point. Because it is difficult to remove primer residue evenly, he weighs his cases for uniformity of weight before filling and swaging. Most of his bullets have been made with the Ross-type deep-cavity base. Users have reported weight variations of only .3 grain, and 5-shot groups as small as ⅜ inch at 100 yards in Lovell and Varminter rifles. One game warden reported killing chucks up to 500 yards with the Wilson Arrow and Russell bullets, but did not want his name known. One time he got 20 chucks with 26 shots.

G. N. Humphrey, of Hanford, Calif., sent us fifty bullets with nice bases, no firing-pin indents showing at all. But he uses the Pacific Reloader only for deheading and with homemade dies. For swaging, a homemade, double-action press and a two-piece die is the equipment employed. A small hole, leading into the bullet nose, releases trapped air and excessive core. Neither the bullets nor the tools are made for sale. The press is on the general lines of the Ideal Armory Press. The samples gave us 10 in 4.48 inches, in the 2R, and 5 in 2.37 inches, in the Varminter, both at 200 yards.

R. L. McMillin, of Orinda, Calif., makes .25 caliber jacketed bullets from fired .22 caliber cases. He uses his Meepos reloading tool for deheading and the old Winchester reloading tool for his swaging power. To get the hulls large enough, he expands them five times on the Meepos tool and then contracts them slightly. He casts his cores in a bullet mold and trims the exposed points with a pencil sharpener. His two sample 71.5-grain bullets are very neat. His best loads in the .257 Roberts are 28½ to 29½ grains of No. 4198, or 30 grains of No. 3031. His best result at 85 yards was 9 out of 10 shots in ⅞ by 1¼ inches. The extreme bullet variation in weight was reported as being .5 grain. The samples were blackened with graphite, because McMillin found he had to use plenty of it in his swaging with the Winchester tool.

Ed Chapman, of Hamilton, Ontario, sent in some samples of the 45-grain bullets the boys are making up there for the Hornet and Lovell. Their cores are forged. They have not been able to eliminate indents in the bases. Good results on chucks were reported, but only up to 150 yards and no target results were given to indicate the probable accuracy. The rifle was a Parkerifled Martini with 26-inch barrel and Weaver 29-S scope in the "T" mount.

O. V. Kingery, of Frankfort, Ind., goes to excessive bother in cleaning his fired cases. He boils them in lye and washes them. After heating them to a cherry red he drops them in sulphuric acid, diluted to 5% or 10%, while hot, and then washes them again and dehydrates them in an oven at 200 F. They are now oiled and deheaded and placed in a porcelain pan and covered with water before sprinkling with double-strength drain-pipe solvent. The reaction develops heat and brings the oil to the surface where it can be poured off or skimmed. Water is added until the process stops and the cases are clean. Then they are washed again and heated to a cherry red again and dropped into dilute sulphuric acid again and washed again and again dehydrated in the oven at 200 F. Dr. Kingery uses an asbestos pad and a blowtorch for annealing cases.

It may be important to remove primer residue before deheading, and it is important to keep lubricants out of the case or off the core, but the acid treatment is unnecessary for accuracy. Washing is unnecessary if acid is omitted. We noted no difference at 200 yards, getting 3-inch groups with both types of cases in two tests with one rifle and a check group of the same size with another load and rifle. All but one or two shots of the ten-shot groups were in from 1¾ to 2¼ inches at 200 yards with both types of cases. Some were cleaned and annealed before deheading and acid cleaned before swaging. The others were deheaded dirty and annealed later with no subsequent chemical cleaning and washing. However, they were all evenly filled and properly swaged in the same setup and our best method of operation, and this proved to be more important than keeping the weight uniform, or within four grains. At least, that is what the targets told us after fifty shots at 200 yards.

The latest R.C.B.S. development is a die for getting a banded effect on bullets, and designed for suiting all barrels, from .224 to .228, with the same outfit. I have it, but have not tried it and am reserving my opinion. I don't like forming a "pressure ring" and sizing afterwards. I prefer to adjust the setup just short of that and omit sizing. It saves time and gives better bullets my preferred way. That is true for me. Another user might develop a different method, better for him, perhaps.

O.K. RIFLED SLUGS

Last month we announced the O.K. rifled slugs made, for sale, by Osborne Klavestad. Since then, we have received enough of them for a test. These were all 12 gauge. The first few samples did not perform well in the .725 tube of our Cutts compensator, although it had always handled factory rifled slugs as well as any choke tried. When the test lot came we tried it again and got 5 shots in 13.30 inches at 50 yards. Two other groups were larger than 28 inches. Even this was an improvement, as it equaled the previous performance at less than half the distance, or 20 yards. We followed the Klavestad directions and cut off the crimp in replacing shot loads with the O.K. slug. The gun was a Savage Model 28 pump with Cutts compensator and B. & M. Hunter scope.

In the full-choke tube of another gun, this same load put 5 shots in 12.38 inches at 50 yards, but there were 4 in 8.80 inches. In the half-choke tube, it put 5 shots in 8.90 inches with 4 shots in 6.45 inches. In the quarter-choke tube, it made 6.20 inches with 4 shots in 4.40 inches. We tried another factory cartridge but loaded it the same way with these O.K. slugs. In the quarter-choke tube, the group was bigger than 28 inches again, but there were 4 shots in 11.95 inches. In the full-choke tube, this same load put 5 shots in 9.62 inches. Then, we tried our own method of loading, which is to use two sheets of toilet tissue in the hollow base of the slug and not cut off the crimp. Loaded this way, the quarter-choke tube put 5 shots in 9.35 inches, and 4 shots were in 5.12 inches at 50 yards. In the half-choke tube, this same load put all 5 shots in 5.45 inches. That exhausted our supply of slugs. The gun was an Ithaca, Model-37 pump with Weaver choke tubes and Weaver, 1-X, shotgun scope. The first-mentioned load was Federal Hi-Power of modern type and recent loading. The last-mentioned load was Winchester Super-Speed, about a year old.

TRADE DOPE

Tenite Available Again. E. C. Bishop & Son, makers of Ozark-walnut gun stocks, announce a resumption of their manufacture of Tenite-plastic butt plates, grip caps, and forend caps. They have had a new set of dies made for the improvement of the design of these fittings. This is good news for many gunsmiths, and stockers.

* * *

New Handy Vise. Wright's Gun Shop, of Bloomsburg, Pa., is out with a handy little utility vise for work bench, drill press, miller, or tool kit. The samples are well designed, extremely well made, and it is easy to visualize a number of uses for this little, straight, hand vise, in the field as well as in the home shop. The price is reasonable for these times. Write to Wright if you need one. We have taken a photograph for the next Dope Bag.

* * *

Fine Goatskin Cases. Basil Tuller, of Galeton, Pa., has fitted some odd rifles for us with his superbly made leather cases. They fit like a glove but are made right so that no forcing is necessary in withdrawing or inserting a scope-sighted Bull Pup or conventional rifle. The light-colored inside wool is thick and deep for gun protection. Its attractive contrast with the black exterior gives the case a pleasing appearance. The photographs we have taken do not do these fine cases justice, but we hope to show them in an early issue.

* * *

Bosely Blanks Available. Mitchell Bosley & Co., Ltd., of Little Shadwell Street, Birmingham, England, are still able to effect deliveries satisfactorily on their fine imported stock blanks, according to A. D. Paul who ordered in March and received his stock blanks two months later. This should interest dealers, gunsmiths, and their customers.

* * *

H. E. Hightower, of Minneapolis, Minn., announces his intention of opening a gunsmith shop in his town, "as soon as possible." You may find his advertisement in this issue, or in the next. The services, for which he is rapidly preparing, include: barrel fitting, chambering, bluing, custom stocking, custom handloading, and revolver conversions. Mr. Hightower is a die-and-tool maker who has followed gunsmithing as a hobby for a decade. His workmanship has impressed such finished gunsmiths as P. O. Ackley. His barrel work will include most standard calibers and the more popular wildcats, including a few of his own origin.

THE ARMS CHEST

GENERAL REQUIREMENTS APPLICABLE TO CLASSIFIED ADVERTISING

1. Transactions Based on Good Faith: ARMS CHEST transactions are based on good faith and mutual satisfaction. Deliberate misrepresentation, disregard of usual business ethics or the attempt to circumvent these general requirements, when brought to our attention, will result in refusal of further advertising plus disbarment from the NRA in the case of members.

2. All Orders Subject to These Conditions: We reserve the right to edit all copy to conform with our standards and to reject or discontinue any advertisement which we consider undesirable.

3. Who May Advertise: The ARMS CHEST is an *open* market trading post. Any individual or firm whose advertisement and methods of doing business meet our requirements may advertise their goods or services.

4. Rates: All classified advertisements must be accompanied by remittance. The rate is 10 cents per word, including name and address—minimum charge $1.50.

5. How to Count Numerals, Etc.: Groups of figures are counted as one word (examples: .30-30, 250-3000, $150.00, $1.50). Abbreviations consisting of initials or single characters likewise are counted as one word (example: W. H. Smith; H.B., meaning heavy barrel; HP., meaning high power). Hyphenated words are counted as two words (examples: 20-gauge, pearl-handled, no-slip) .

6. "For Sale" Ads Must State Price: A specific price must be stated on all FOR SALE ads—exception: a phrase such as "write for catalog" or "details on request" may be used when listing quantities of similar merchandise or real estate.

7. Firearms for Sale or Trade Must Be Defined: The *condition* of every gun (including essential parts) advertised for sale or trade *must* be specified according to *NRA standards*, as follows: PERFECT—meaning factory condition; EXCELLENT—meaning new condition, implying negligible amount of use; VERY GOOD—meaning practically new condition. implying little use, with no appreciable bore wear and only minor surface scratches or wear; GOOD—meaning moderate use with some finish worn off, only moderate bore wear, with no pits and nothing worse than a little roughness in the bore; FAIR—meaning reasonable hard surface, reasonable wear inside, nothing worse than minor pits in the bore, implying the gun is sufficiently accurate for hunting; POOR—meaning marred appearance and pitted or badly worn bore.

8. Non-Specific Phrases Barred: Phrases such as "highest" or "top prices paid", as well as any other so-called "auction-type" phrases are not acceptable. The terms "fair prices paid" or "state price wanted" may be used.

9. Blind Ads Not Acceptable: Box number or blind ads will not be accepted. Give your complete name and address, to insure prompt delivery of all mail or telegraphic replies.

10. Requesting Privilege of Examination: Purchasers desirous of examining merchandise before acceptance should request shipment by express, C.O.D. with examination privilege. This procedure permits the purchaser to inspect the merchandise *in local express office* and authorizes the express company to return unsatisfactory merchandise at shipper's expense.

11. OPA Ceiling Prices: An agency of the Federal government has legally fixed the prices of various commodities, including individual sales of ammunition (handloads and government calibers excepted). Attempts to evade ceiling prices are violations of Federal statutes. It is physically impossible for us to check advertised prices against legal ceiling prices. This is the responsibility of the advertiser, and advertisements offering to buy or sell merchandise at higher than legal prices will, when called to our attention, subject the advertiser to the penalties mentioned in paragraph 1.

12. Federal Explosives Act Defined: Under the Federal Explosives Act of 1941 all buyers, sellers, and possessors of gunpowder (not complete cartridges) must be licensed. Explosives licenses are usually obtainable from county court clerks. Purchasers must submit such license or a certified copy thereof to the seller at time of sale.

13. "Outlawed" Firearms Defined: The sale of certain firearms is outlawed by Federal law unless handled by a Federally licensed dealer. These include machines or submachine guns; sawed-off rifles and shotguns with barrels of 18 inches or less, and Mauser and Luger auto pistols *with holster stocks*.

14. Responsibility for Illegible Copy: Type or print advertisements plainly, as we can not be responsible for errors due to illegible writing. Spell out all descriptive words; avoid abbreviations.

15. Closing Date: The closing date for all advertisements is the 5th of the month preceding month of issue. However, the *volume* of advertising we can publish monthly is limited and the quota is usually filled prior to the closing date. Ads will be accepted in the order received.

FOR SALE

FOR SALE—L. C. SMITH DOUBLE TRAP grade, 32" F & M, auto ejectors, selective single trigger, ventilated rib, beaver-tail, perfect inside and mechanically, good outside, $125.00. #5 Ithaca double 30" F & F auto ejectors, selective single trigger, beaver-tail, ventilated, gold inlays. Recoil pad. A beautiful gun. Excellent. List $333.00. Will take $235.00. Winchester Model 12 trap grade 12 gauge 30" full. Ventilated rib, extension slide handle, nickel steel barrel, a very good sole leather case. This gun is excellent. $140.00. Money orders please. W. C. Cooper, 112 Worth Avenue, Salvay, N. Y., Member.

STANDARD WINCHESTER 70 220, WEAVER 330C, Stith mount, very good, 2 boxes cartridges, $135.00. Ithaca Western 20 x 26 dbl., both improved cylinder, single trigger, very good, box shotshells, some slugs, $45.00. H. H. Wilson, Newfield, N. Y.

FOR SALE—74 WIN. .22 SHORT AUTO RIFLE, 333 Weaver scope B mount, very good to excellent, 1 wool .lined scabbard, 500 shells, $50.00. W. A. Todd, Donna, Texas.

COLT REVOLVERS, ALL EXCELLENT; SHOOTing Master .38 Spl. $85.00. Officer's Model HB $80.00. New Service Target .44 Spl. $100.00. New Service Target .357 $100.00. National Match .45, target sights, $110.00. .38 Super Auto $85.00. Detective Special VG $65.00. .32-20 and .38 Spl. Police Positive and Army Specials and S & W Military and Police good to very good, $40.00 to $65.00. Smith & Wessons, excellent, K-22, $85.00. Kit gun $85.00. .38-44 slight blue wear, $75.00. Detective 2" .38 Spl. $85.00. Winchester 52 Lyman 48 & 17, $75.00. Hoffman .22 Martini $100.00. Remington Scoremaster, plywood case and accessories, $65.00. Remington .30 Model 141 with 80 soft points $80.00. Parker 12 VHE 28 M & F $125.00. Browning Sweet Sixteen Poly Choke $125.00. Browning Over & Under Lightning model ventilated rib, latest single trigger and ejectors, case, improved cylinder and modified, $225.00. Ithaca feather weight 16 Poly Choke, excellent, $80.00. Another without Poly, $65.00. Bausch & Lomb prismatic with stand, $80.00. Lyman Super Target Spot 10 power, case, $100.00. Smith & Wesson 1917 issue excellent, $65.00, same commercial. Magnum grips, $80.00. All excellent condition. Have some ammunition for all the above. Will trade. The Gun Shop, 106 E. Market, Louisville 2, Ky.

L. C. SMITH, IDEAL GRADE, 16 GAUGE, 30 in. M & F, Auto ejector, pistol grip, very good in & out, $80.00. Colt .22 Automatic, Heiser holster, very good but slight holster wear, $45.00. Edgar Benedict, 1947 Oak St., South Pasadena, Calif.

FOR SALE—.30 DWM EAGLE LUGER 4¾" squeeze excellent, very good ,134 cartridges, $65.00 M. W. Lathrop, Orland, Calif.

FOR SALE—FRONTIER COLT S. A. .22 CONversion, chromium alloy barrel insert, recessed cylinder. Conversion by experts. Excellent, $65.00. George Mathews, 940 West 62nd Street, Los Angeles, Calif.

.45 COLT AUTO, COMMERCIAL, GOOD, $60.00. .30-'06 Springfield, Niedner chrome moly barrel, Redfield sights, special stock, excellent, $100.00. Winchester 1894, .32 special, good, $40.00. Winchester 1892, .38-40, good, $25.00. Colt Frontier .38-40, good, $40.00. .45 Colt Bisley, poor barrel, otherwise good, $40.00. 8 inch, 9 mm Luger, good, $50.00. WANT—.22 revolver, Milton Hansen, Whittlesey, Wisconsin.

FOR SALE—498 CLIPS FOR M1917 .45 REvolver 10¢ per pair postpaid, War Stamps accepted. FA .45 Auto Rim M1917 Blanks 7 cartons 24 each, 56 cartons 20, at 3¢ per round, FOB Houston, money orders please. C. S. Stewart, 1929 Sharp Place, Houston 6, Texas.

MODEL S. C. PARKER TRAP, 34 IN. BARREL, excellent condition, $100.00. W. Buswell, 23 Greenleaf Street, Amesbury, Mass.

WIN. 70 375 H & H EXCELLENT, 65 CARTridges; bullets: 100-225 gr. 65-270 gr. 100 cast 100 primers, Ideal bullet mould, set of handloading tools, $150.00. Win. 71 348 Deluxe, excellent, 54 cartridges, $95.00. Sav. 300, very good, 40 cartridges, $80.00. FA 38 issue .30-'06 cartridges .08¢ ea. Money order please. WANT—range finder up to 500 yds. or better. J. Schumacher, 8327 Thomson Road, Elkins Park, Pa.

IF YOUR MAGAZINE IS LATE

Please bear with us if your copy of THE RIFLEMAN arrives later than you have been accustomed to receiving it. In normal times the magazine is mailed on a schedule providing for delivery during the first week of the month of issue. We still mail according to a plan designed to insure simultaneous deliveries throughout the United States; but the wartime strain on publishing, postal, and transportation facilities makes it impossible to guarantee normal-uniform deliveries. Only a return to normal conditions can remedy this situation. Meantime, you have our assurance that when your copy arrives late, the same issue is probably being delivered late to all other subscribers. We ask that you wait until the 20th of the month before reporting non-receipt of the current issue.

FOR SALE (TO BUY BONDS)—COLT OFFICER'S Model .22 cal., excellent, $70.00. Winchester Model 74, 29S Weaver T mounts, .22 L R, excellent, $45.00. L. C. Smith field 12 ga. 30" F & M, very good, $60.00. Wilshire 12 ga. double 28" IC-M, good, $25.00. Shells. S. H. Cordruy, 6502 Cleveland Ave., Dundalk, Md. #22. Member.

FOR SALE—SPORTSMAN .22 TARGET REvolver, perfect, $31.25. 9 mm Luger, excellent, $70.00. NRA card or permit required (returned). What do you need in handguns? Bonin, 174 Rand, Central Falls, R. I.

DURO HEAVY DUTY GRINDER AND STEEL kit, spindle shaper, over 40 burrs and abrasive points, practically new, $35.00. Benjamin automatic air rifle $8.00. Selected myrtlewood rifle stock blank $4.00. D. E. Larson, 2208 So. Downing, Denver, Colo.

FOR SALE—WINCHESTER MODEL 12-12-3, 32" barrel and full choke, excellent. Shot 2 boxes shells. 15 boxes shells 4-6 shot, all for $110.00. Fred Nuxoll, Marathon, Wisc.

SELL SERVICEMEN'S MATERIAL: 35 MM film, '06 Krag Hornet, W92 25 WCF carbine, W95 303, .32 Colt, Sav., 380 Ortgie, Colt, ammo, brass, loading tools, stamped envelope for list. Geo. Spence, Steele, Mo.

FOR SALE—SPEEDLOCK WINCHESTER 54 .270 Win. restocked by Griffin & Howe, checkering by Alvin Linden, beautiful Circassian walnut stock with Cheekpiece, trap in buttplate, etc., Lyman 48, Weaver 330S with Redfield Jr. mounts, very good condition, with 9 boxes factory ammunition, $275.00. L. C. Smith trap grade 12 gauge shotgun, 28 inch barrels F & M, checkered and engraved in addition to standard, beautiful gun, very good condition, with 2 boxes shells, $175.00. Custom made fine leather gun case, will hold large bolt action rifle with telescope sight, carrying strap, large side pocket, perfect, $20.00. H. F. Hill, 596 James St., Hazleton, Pa.

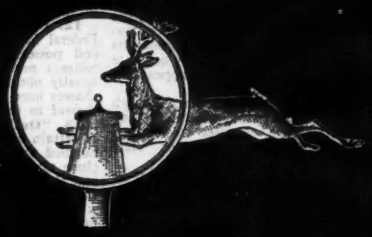
HEISER NO. 753 HOLSTER FOR 8¾" MAGNUM, excellent, $8.00. 8 mm Univex F 3.5, $20.00, new. Frank Huotte, 1848 Phillips Ave., Butte, Montana.

STEVENS 44½, .25RF, BORE EXCELLENT, action tight, tang peep rear, bead front, 45 cartridges, $30.00. WANT twin lens reflex camera. Norman P. Fauble, La Moille, Illinois.

PERFECT LUGER 30, EAGLE CREST, SQUEEZE grip, 4¾" barrel, Heiser carved belt holster, extra magazine and carrying pouch, tools, etc. Sheepskin carrying case. 100 cartridges $85.00. Jack Robertson, 2954 Schuyler Street, Oakland, Calif.

FOR SALE—MATCH TARGET WOODSMAN, perfect, $100.00, Colt Frontier single action .38 Special, 4¾" barrell, excellent, $70.00, Money order, satisfaction guaranteed. Clyde Kennedy, 11768 Wyoming, Detroit 4, Michigan.

LYMAN
APERTURE SIGHTS



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The accepted use of aperture rear sights on military rifles in this war predicts a wide demand for similar sights by sportsmen after the war. Lyman has pioneered in designing and adapting aperture sights to sporting and military rifles for many years. In the days to come, the newest developments in Lyman Aperture Sights will represent the best value in sights made for shooters by shooters.

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FOR SALE—BELGIAN BROWNING 12, EXCELlent inside, very good outside, 30" full ribbed barrel and 26" cylinder plain barrel, $115.00. Remington 81, excellent, 35 caliber, with 7½ boxes fresh cartridges, $125.00. WANT—Marlin 39A, Springfield 22M2, Standard 52; give serial numbers. Clarence Cubbedge, Orlando, Florida.

HUNTING KNIVES, ALL NEW FACTORY MERchandise. 6" blades of hi-grade polished steel, leather Commando-type handles, $3.50. Marine Corps knives as per page 26 May Rifleman, $8.00. Machetes 21½" blades, $12.00. All knives and machetes equipped heavy leather sheath with belt loop. Money orders please. M. M. Stewart, 11527 Garfield Ave., Hollydale, Calif.

FOR SALE—NEW PRIMED SHELLS—REMINGton kleanbore or Peters Rustless, 32-20, $3.75 per hundred. Robert Haelig, Boundbrook, N. J.

FOR SALE—WINCHESTER M70 HORNET SUPER grade, factory perfect, gold bead, Lyman 48 WJS, sling, $165.00. Money order. Clyde Kennedy, 11768 Wyoming, Detroit 4, Michigan.

.250-3000 SAVAGE 99, 40 ROUNDS, $85.00 EXcellent. .32-40 Bullard, good, 20 rounds, $37.00. Krag Issue, good, 20 rounds, $40.00, excellent in. .30-30 Winchester 94, 30 rounds, $45.00, excellent. .30-'06 Winchester 1917, good, 60 rounds, $52.00. .25-20 Winchester 92, good, 100 rounds, $45.00. Winchester 52, Sporter, Lyman 4x scope, 48j rear, 17a front, excellent, $100.00. 16 Ithaca #4 Ejector, engraved, excellent, $130.00. .22 Remington Pump, excellent, $45.00. .22 Winchester 72, excellent, $45.00. .22 Mossberg S46M, new, $40.00. .22 Single rifle, excellent, $15.00. .38 Super Colt, excellent, 50 rounds, $75.00. Woodsman, excellent, $75.00. .45 Remington, arched, automatic, new, 75 rounds, $75.00. .38 Spl. Colt Positive, excellent, 50 rounds, $40.00. .25 Colt pocket, 25 rounds, excellent, $37.00. .32 Colt, Positive, fair, 50 rounds, $35.00. (3) .22 H & R Sportsman, new, $45.00. .32 Savage automatic, excellent, $40.00. WANT—Ammunition, automatic rifle, movie camera, 50x telescope. Details for stamp, S. J. Krzak, Pawtucket, R. I.

FOR SALE—SPECIAL SALE OF NEW AND USED shotguns and rifles, list ready. Stamp please. Kimball Arms Company, Woburn, Mass. tf

WEAVER 29S, $14.00; 330 SLIGHTLY USED, $25.00; Hensoldt Ziel Dialyt 4x, $110.00. Remington 8 Cal. .32, VG, $60.00. Skeet O & U, excellent, $160.00. Premier Skeet O & U, perfect, $490.00. Browning O & U skeet, ven., excellent, $160.00. Hershey's, Orrville, Ohio.

FOR SALE—DWM LUGER, .30, 4½" BBL., INside perfect, some holster wear. Holster and box of cartridges, $57.50. F. T. Michaels, 309 May st., Lockport, Ill.

.30-'06 ENFIELD SPORTER, EXCELLENT, Bishop stock, 330 Weaver B mounts, sling, $89.00. .30-30 Winchester 94 carbine, excellent to perfect, 29S Weaver scope, cheek pad, 30 boxes new shells, $115.00. Rex Shaner, Geneva, Nebraska.

SHOTGUN SLUGS TO REPLACE SHOT IN YOUR shells. 12, 16, 20 gauges, $1.00 per dozen, 10 gauge $1.20 per dozen. Postpaid. B. & M. Machine Shop, 29 Market, Lockport, N. Y.

SALT WATER REELS, COXE, 2/0, $37.50. Norka, $10.00. Cozzone 1/0, $8.50. Bond, $5.00. Coast City, $4.00. All with line. True Temper professional fly rod, Bristol reel, line, two transparent, one aluminum fly boxes, leader box, bass bugs, vest, $42.50. .50 Deluxe vest pocket Kodak F 4.5 lens diomatic shutter, extra case filters, etc., $30.00. Deluxe electric cigarette lighter and dispenser $15.00. Henckle lifetime razor, seven heavy blades, strop, $25.00. Schick Colonel with accessories, $15.00. Deluxe Gem case and blades $3.50. Salt water rods, Vom Hofe snapper, $10.00. 6/9 Bamboo, $10.00. Weakfish, $12.50. Deluxe bait casting bamboo, $25.00. True Temper trolling rod, as is, $10.00. Ashaway Cuttyhunk #9, new, 500 yds., $7.50. Colt .32 auto, outside fair, inside poor, $25.00. Patek Phillippe 18 jewel, 18 karat pocket watch, 14 karat matching chain, $200.00. WANT—S & W .22-32 kit gun or Colt Woodsman. Money orders only, no wires, send stamp. Member. K. G. Hallock, Route 1, Tomahawk, Wisc.

WINCHESTER 97 TWELVE, CASE, SHELLS, good, $40.00. S. S. Krag-Lovell, shells, tools, good, $40.00. .45 Colt Auto, shells, good, $75.00. B. & L. 45 mm, draw tube, excellent, $30.00. J. D. Jamieson, 1612 Garfield, Denver, Colo.

FOR SALE .38 SPECIAL S & W TARGET, KING full ventilated rib, adjustable sights, short action, wide hammer spur, very good to excellent, $80.00. Thomas, 912 Penn, Reading, Pa.

FOR SALE—SEVEN 8 OZ. CANS SHOTGUN smokeless powder (Dupont) 75¢ each. N. H. Keister, Greenfield, Indiana.

FOR SALE—BELGIUM BROWNING, 12 GAUGE, 27" over & under, Imp. cylinder and modified twin single trigger, solid rib barrel. Near perfect inside. Outside blue worn on side of barrel. Recoil pad, selective automatic ejectors. No better field or skeet gun, 50 shells. $120.00. L. C. Smith 3 E. grade, 12 gauge double full & full, 30" bbl. Monte Carlo stock recoil pad. Nitro steel bbls., non-selective automatic ejectors. Cost new, $123.75. Fine long range gun, good to very good, $65.00. Stevens Springfield M330, double 12 gauge, full and modified ivory sights, new tenite stock, new, never fired, factory grease, $45.00. Ithaca 37 pump, 20 gauge, 28" bbl., excellent to perfect, 3 boxes shells, fine field gun, $80.00. Endres Special grade, 12 gauge, 30" full & modified, 2 boxes shells, good, no pits in barrel but plate damaged, $40.00. Western Field, 20 gauge, 28" pump, excellent to perfect with 3 boxes shells, $65.00. Stevens, 410-22, tenite stock and forearm, excellent to perfect, near new, 4 box 22 Short, $30.00. .38 Colt Special Commando, dull finish, 4" bbl., new, never fired, 50 reloads, $55.00. Smith & Wesson, 22-32, Target 6" bbl., target sights and grip, excellent to perfect, 200 shells, very accurate, $65.00. Colt Police Positive Special, .32-20, 4" bbl., Franzite ivory grips, chrome plated, fine looking gun, very good to excellent, $50.00. Western Field, 47A, genuine walnut stocks and cheek rest, magazine bolt action, regular and peep sights, 5 aperatures, good to very good, 200 shorts, $25.00. Colt Officer's Model, .38 Special heavy 6" barrel, target sights and special target grip with built-in adapter and thumb rest, also regular grips, near perfect condition, 200 reloads, a fine target gun, $100.00. Colt Army Special, 6" bbl., .32-20, very good to excellent, nickel plated, black grips, a nice gun and accurate, $55.00. Stevens, 410-22, walnut stock and forearm, excellent to perfect, 15-410, 2 box .22 Shorts, $29.50. ALL MONEY ORDERS OR SHIP C. O. D. EXPRESS. John Heatherington, 515 S. West St., Lebanon, Indiana.

FOR SALE—WESLEY RICHARDS 12 GA. S.B. trap gun, ventilated rib, engraved action Poly Choke, excellent condition, $225.00. Shotgun hammer type Live Pigeon Gun by Wm. Ford, custom made in England, 32" fluid steel, modified and full choke, like new $125.00. Forward money with order. No c.o.d. shipments. Public Sport Shops, R-74, 13 So. 16th St., Phila., Penna.

FOR SALE—70 K-HORNET, 20" BARREL, G&H chamber, V.G., inside excellent, Redfield Jr. mount, sling, Q.D. swivels, 4 boxes ammunition, 400 bullets, 650 primers, Pacific H.S. dies, hand loads, cases, $145.00. J. W. Eatman, Cuero, Texas.

.30-'06 STAR-GAUGED NATIONAL MATCH Springfield #1479534 custom made by Pachmayr. Has Redfield ramp front sight, Redfield safety, Redfield senior scope mounts, altered bolt handle and recoil pad. Checkered, cheek-piece, hand rubbed oil finished stock. Quick detachable swivels. Bore perfect. Outside super excellent to perfect. Shot less than 100 times. 2 boxes late Corelokt ammunition. A super accurate rifle of exceptional quality which cannot be duplicated for years. $225.00, money order. Dr. F. W. Rinkenberger, 727 West Seventh, Los Angeles 14, Calif.

FOR SALE—.22 VARMINTER ON 6.5 MANNlicher action. Bolt knob on handle, double set triggers, two cartridge magazines, medium heavy 28 inch chrome moly Sukalle barrel, one inch 8X Unertl scope, dural mounts, quarter minute clicks. Chambering by Gipson, scope mounted by Parker Whelan. Cheek piece target type stock with sling. Weight about fifteen pounds. About 160 HiSpeed 50 grain handloads and a few extra empty cases. Above excellent, price $350.00 cash or $250.00 plus a good original .30 or .35 Cal Newton. No junk! but Newton barrel condition immaterial. Annual member. C. M. Markle, 1815 8th Ave., Los Angeles 6, Calif.

.22-513S REMINGTON, SLING, 344 WEAVER scope, Redfield, peep sights, $55.00. Excellent. Mossberg Spot scope, 20 power, $28.00. .38 OMT Colt HB, 85 rounds ammunition, holster, $68.00, in very good, out good. G. B. Post, 915 Washington St., Hutchinson, Kansas. Member.

GUN AND AMMUNITION LIST, FOR STAMPED self-addressed envelope. Alliance Gun Exchange, Alliance, Ohio. 10-44

BEAUTIFUL MANNLICHER TYPE KRAG, Zeiss Zielklein scope, Redfield Senior mounts. Cheekpiece, checkered. Inside perfect, new stock, blueing worn. 240 cases. 39 primed cases. 63 cartridges. B & M loading tool, bullet seater, $125.00. S. J. Asper, 2223 Pebrican, Cheyenne, Wyo.

COLT WOODSMAN, 4½" BARREL, CUT FROM 6½" and refinished. Very good. Rear sight poor. Holster, cleaning rod, extra Sanderson grips. 2000 Xpert, 500 Leader, 500 Super-X, 500 EZXS Match, all Long Rifle. $100.00. Jerome Fisher, 5639 Drexel, Chicago 37, Illinois.

300 REMINGTON AUTOMATIC, SIGHTS BUCKhorn rear, ivory front, sling, 40 shells, excellent, $150.00. Remington 30 Trombone, 30 shells, good to very good, $85.00. Remington 35 Trombone, 40 shells, very good to excellent, $95.00. .30 Newton, sling, 50 shells, good to very good, $95.00. 351 Winchester Automatic, 50 shells, excellent, $115.00. 351 Winchester Automatic, 50 shells, good to very good, $95.00. .250-3000 Savage Takedown, Lyman Midfield peep sight, 37 shells, excellent, $100.00. Belgian Browning 12 gauge, Cutts Compensator, 4 tubes and tube case, latest model, excellent, $150.00. Marlin Ranger O & U 16 gauge, butt pad, 28 inch full, perfect, $85.00. 12 gauge Winchester Model 12, 30 inch full, good to very good, $75.00. Remington Automatic, 20 gauge, 28 inch full, very good, $95.00. Remington Automatic, 20 gauge, ventilated rib, beaver tail forearm, 28 inch modified, very good to excellent, $125.00. Remington Automatic 12 gauge, 30 inch full, good to very good, $95.00. F. D. Sweeney, 1104 San Pablo, Fresno, Calif.

SELL—BROWNING AUTOMATIC 12 GAUGE and Model 8, Remington automatic .35 cal., excellent, $70.00 each. J. F. McClendon, Route 1, Box 383, Trooper Road, Norristown, Pa.

AMMUNITION, LATE ISSUE '06 AT .06¢, HUNTing reloads '06, $2.50 box, Krag 1M rds. 150 or 180 gr. H. P. hunting custom loads at $4.00 box, 8 boxes .35 S & W auto factory at $2.00 box. Reloading 20 rifle and pistol calibers and trading guns. Don't be stuck again this fall. Load 'em while we can. F. Emerson, Custom Loads, Auburn, Mass.

WIN. 70, .257 ROBERTS, 330 SCOPE, MOUNTS, sling, 80 shells, excellent, $180.00. Win. 70, .220 Swift, 330 scope, mount, sling, 80 shells, excellent, $150.00. Win. 70 Hornet, 330 scope, mount, sling, 200 shells, excellent, $150.00. Savage M219, ".22-3500 Chucker", 29S scope, 60 loads, excellent, Pacific type dies, $70.00. Sav. M19 NRA, Savage target sights, sling, 500 shells, excellent, $50.00. Krag Sporter, 24 in. bbl., ramp front, regular rear, custom stock, refinished action, 50 game loads, very good, $62.50. Rem. M11, 20 ga. factory rebuilt and refinished, perfect, 150 shells, $100.00. LeFevre 16 double, 150 shells, very good, $57.50. 2000 .224 bullets @ $4.00 per 100. F. N. Caauwe, Norfolk, Nebraska.

.22 VARMINTER, SPRINGFIELD SPEED ACtion, medium heavy Gebby barrel, cheek piece, hicomb oil finish stock, sling, 6X Junior Targetspot, Lyman click mounts, over 400 bullets, 180 cases, 200 primers, Pacific dies. Extremely accurate, everything excellent or better. $250.00. Hi-Standard "B" 6¾" barrel, holster, 250 rounds, perfect, $50.00. Fred Granger, 726 Kenwood St., Burbank, Calif.

FOR SALE—LIST OF ARMS BOOKS, MANY rare. Stamp, please. Wm. Locke, 3607 Ault Park Rd., Cincinnati 8, Ohio. 8-44

REMINGTON SPORTSMAN, 20 GA. POLY Choke, perfect, right or left hand safety, with 20 boxes shells. Shells below ceiling price. First $105.00. Jos. L. Escude, Jr., Mansura, La.

FOR SALE—REMINGTON WOODSMASTER, 81A, .300 caliber, excellent to new, 40 factory loads, $115.00. Phillip Swiggum, Westby, Wisc.

52 HB LATE, EXCELLENT. MARBLE-GOSS and Vaver iron, Ranger 4X target scope, removable walnut cheekpiece, extras, all in leather trunk case, $125.00. Very good Rem. 14, .30 pump, $50.00. Excellent 1917 ACP Colt revolver, 5½", $50.00. WANT—late Remington 37 and 12X scope. Frank McCormick, Sonora, Calif.

RELOADERS: HUNTERS! LOAD OUR RIFLED LEAD SLUGS in your own 12-gauge shotgun shells. One dozen, with wads and complete directions for loading . . . including postage and packing . . . $2.10. Supply limited, order today: The Kailing Co., 8026 N. Division Road, Milwaukee (9), Wisc. 11-44

SHOTGUN SHELL RELOADERS: RESIZING DIES for paper shells, $5.00 each. 12 gauge, 16 gauge, 20 gauge. W. Nittler, 1454 6th Ave., San Francisco 22, Calif. 8-44

ASA GALLUPE OF FORT FAIRFIELD, MAINE, has a large supply of rifles, shotguns, handguns, and ammunition and will be glad to send a list on receipt of self-addressed envelope. 8-44

INDOOR TARGET CARRIERS—FOR CLUB, police, or school ranges. Trolleys are packed in units of two, consisting of: eye bolts, nuts, pulleys, rubber stops, screw hooks, 16" sheave wheels, bearing plates, set screws, washers, wing nuts, galvanized wire, braided cord, crank shafts, and round head screws. Ready to install and packed two in a crate. Priced only $5 per pair. F.O.B. National Rifle Association, Washington 6, D. C. tf

$—RAISE GIANT CHINCHILLA RABBITS—$ Low Cost. Large Profit. Free Folder. Willow Brook Farm, R 82, Sellersville, Pa. tf

INDIAN RELICS, CONFEDERATE BILLS, coins, minerals, gems, fossils, crystals. Illustrated catalog 5¢. 100 Ancient arrowheads $3.00. H. Daniel, Hot Springs, Arkansas. tf

CASWELL TARGET CARRIERS GIVE THE shooter every possible point because they hold the target steady and require no exertion to operate. Fully equipped with speedy ball-bearing pulley wheels and target holders for every type of indoor paper rifle or pistol targets. Caswell Target Carriers, Anoka, Minnesota. tf

PATENTS—LOW COST, EASY TERMS. BOOK and information free. Highest references. L. F. Randolph, Dept. 370, 416 5th St., Washington, D. C. tf

PREHISTORIC STONE TOMAHAWK—75¢. 100 good Prehistoric arrowheads—$3.00. 10 tiny perfect bird arrows—$1.00. Spearhead 25¢. List free. Caddo Trading Post, Glenwood, Arkansas. tf

REVOLVERS. MINERALS. STAMPS. COINS. Glass. Indian Relics. Catalogue 5¢. Cow Boy Lemley, Las Cruces, New Mexico. tf

I WANT ENTIRE GUN COLLECTIONS FOR cash right in your hand. Miller Bedford, New London, Ohio. (Can stand some individual pieces with plenty merit.)

SHOTGUN PRIMERS. WESTERN BATTERY cup primers No .209. New stock. Limit 5000. No priority. These are prewar prices. Cash with order. No C.O.D. orders filled. Price $6.75 per thousand. Add packing charge of 25¢ for any size shipment. No shipment less than 1000. Pacific Gunsight Co., 353 Hayes St., San Francisco 2, Calif. 8-44

SELL—WIN. 16, S.S.T. AUTO EJECTORS, BEAvertail, 26" F & M, pad, vent. rib 21, excellent, $195.00. Winchester Model 12, 12, very good, Poly 27", pad, $75.00. Bert Moen, 800 First Ave., Cedar Rapids, Iowa.

SELL—S&W .357, PERFECT, WITH SHEEP holster and shells, $125.00. K22, perfect, with 1000 shells and sheep holster, $90.00. B. W. Wilder, 4511 Browndale Ave. 10, Minneapolis, Minn.

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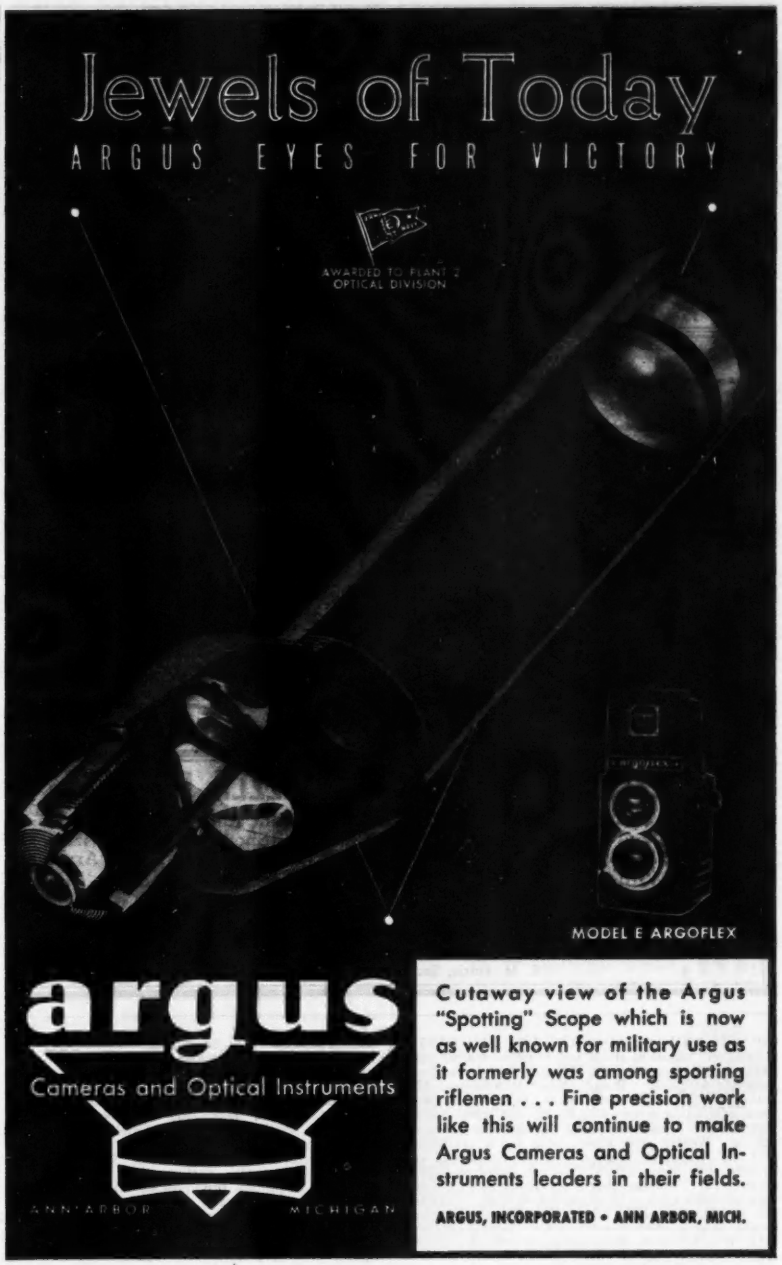
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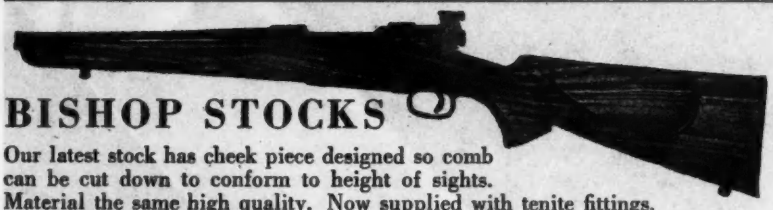

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AMMUNITION AND PRIMED CASES IN 50 rifle and pistol calibers. Popular sizes, cases excepted, mostly gone. No list, state wants. Calvin Goddard, 3533 Quebec, Washington 16, D. C.

FOR SALE—WINCHESTER MODEL 52 HEAVY barrel, latest model, Marksman stock, excellent or better, Lyman 48 and 77, 500 EZXS, $110.00. Lyman 48FH, several in stock, $10.00 postpaid. Marble Goss receiver sights for flat top 52's, new, $12.50 postpaid. Robert Haelig, Boundbrook, N. J.

WINCHESTER 75 SPORTER, PERFECT, 29S Weaver, 1,000 Kleanbores, $80.00. Luger 7.65, DWM, 300 shells, holster, extra magazine, perfect, $85.00. Mannlicher-Schoenauer, carbine, 9mm, new and unfired, 300 Kleanbores, $185.00. Another, excellent, Lyman rear, 300 Kleanbores, $160.00. S&W .38 special, nickel, absolutely perfect, 200 Kleanbores, $80.00. Springfield .22, 15-shot, automatic, perfect, 1,000 Kleanbores, $55.00. Mannlicher, 6.5mm, carbine, perfect, sling, 750 Kleanbores, $275.00. Inspection privileges on all. WANTED—380 automatic shells and .38 Special Hi-Speeds, also Stoeger catalogues before 1937. F. R. Guy, Box 97, Montgomery, Alabama.

SELL—WINCHESTER 52 H.B., STANDARD stock, Marble Goss back, 17A front, one insert, practically new except small rust spots guard. Small dent stock, $110.00. K22 excellent, some small dents side plate, slight blue worn muzzle, ejector rod, scratch cylinder, F. M. grip Magna stock, $70.00. Colt Officers' 32 H.B. revolver. Excellent, slight blue worn muzzle scratch cylinder. Special and regular grips. 71 factory ammunition. 500 empties, 300 small primers. Pacific dies, Ideal resizer lubricator. Bond wadcutter mold, $115.00. Parker Trojan 12 F&F 30 excellent, except stock scratches. Jostam slip-on recoil leather lace cheek pads, $75.00 Money order. Dr. Joe Heard, North Louisiana Sanitarium, Shreveport, Louisiana.

FOR SALE—MY RECENT ANTIQUE ARMS LIST is sold out. Next list in October. In the meantime, send your want list as I recently purchased two fine collections. Wm. Locke, 3607 Ault Park Rd., Cincinnati 8, Ohio. 8-44

FOR SALE—DUPONT 4320, 4064, 4350, 4227, 4198, 3031, Hivel 2, 2400 and Lightning, $1.60 lb. Nos. 4759,6, Bullseye, Unique, DuPont bulk and MX shotgun smokeless, $1.00 ½lb. Mail empty powder cans for all Hercules powders, which must be repacked. Send copy federal explosives license. Leslie Lindahl, Central City, Nebraska.

FOR SALE—COLT DETECTIVE SPECIAL, round butt, perfect, $70.00. .38 Officer's model, 6" heavy barrel, Roper micrometer front and rear sight, excellent, $75.00. Colt Police Positive 38 S&W 4", excellent, $42.00. Colt Police Positive 38 Special 4", excellent $41.00. 38 Special S&W 6½" very good, nickel, $40.00. 32 S&W Long Colt, 3", few pits inside, very good to excellent out, $35.00. Colt Police Positive 32-20, 6", pearl grips, excellent, $38.00. Colt Police Positive 32, 6", excellent, $40.00. Colt Police Positive 32, 2½", excellent, $45.00. Smith & Wesson 32 long Colt 4", very good, $35.00. Money orders please. R. P. Lueddeke, 263 Leland Ave., Plainfield, N. J.

FOR SALE—38 SPECIAL WADCUTTER, Reloads, $4.50 per 100, 30-06 blank cartridges, $9.50 per 100, Winchester cartridges 32 S. L. soft point $6.50 per hundred. Winchester 35 S. L. cartridges $6.50 per 100, 38 Rim Fire Winchester revolver cartridges $2.00 per hundred, 38-56 soft point rifle cartridges $10.00 per 100, 6.5 Berreta Italian Army rifle cartridges, metal point $10.00 per 100, 30 Govt. 1903 soft point 220 gr. Western cartridges $10.00 per 100, 30-06 metal patch 172 gr. late issue F. A. cartridges, $10.00 per 100, 762 metal point cartridges, $10.00 per 100, 303 British metal point cartridges, $12.00 per 100, 38 Automatic pistol cartridges, $4.50 per 100, 405 Winchester staynless $15.00 per 100, 45 Automatic pistol cartridges, $6.50 per 100, forward money with order. No c.o.d. shipments. Public Sport Shops, Dept. R-74, 13 So. 16th St., Phila., Penna.

22 WOODSMAN MATCH TARGET, EXCELLENT, $65.00. 44-40 New Service, 100 cartridges, good, $45.00. 45 automatic commercial, excellent, $55.00. 44 Special New Service Target 7½", perfect, 80 cartridges, holster, $65.00. 410 Lefever double, good, $45.00. 32 Remington automatic pistol, good, 50 cartridges, $28.00. 25-20 Remington pump, excellent barrel, rest good, cartridges, $40.00. 25-20 Carbine, same, excellent, $65.00. Arthur Bissell, Terryville, Conn.

7.65MM LUGER, 4" BARREL SQUEEZER GRIP safety, eagle on breech, excellent condition, with 100 rounds ammunition and holster, $85.00. Walnut Hill 417 H.B. very good inside, good outside, no sights, 500 rounds L.R., $40.00. Anthony Jachetta, Priest River, Idaho.

REMINGTON 32 TC, TRAP, 12-GAUGE, O&U, 30" M&F, ventilated, SST, AE, special walnut, rectangular sole leather case, perfect, $175.00. Krag carbine, 24", sling, fair, $22.50. Colt 380 auto, reblued, good, $25.00. DWM Luger, 7.65, 4", good, $27.50. Will ship prepaid for cash or COD plus charges. Ray Carter, Conoco, Ponca City, Oklahoma.

FOR SALE—38 SPECIAL COLT OMT. 22 COLT OMT. Very good, 100 rounds ammunition for each, in carrying case with accessories, $150.00. H. E. Downing, 200 Beley Avenue, Syracuse 8, New York.

WINCHESTER MODEL 40-12 POLY CHOKE, outside excellent, bore excellent, $75.00. Carcano 6.5mm outside good, bore good, $20.00. Krag 1894, outside fair, bore very good, $27.50. Krag Carbine 1898, outside excellent, bore excellent, $40.00. Krag 1898, outside excellent, bore excellent, $40.00. Remington Lee 1894, outside good, bore very good, $25.00. Lee Navy 6mm, outside good, bore very good, $25.00. Styer Mannlicher 8mm, outside excellent, bore excellent, $40.00. 2 Mausers 98-7.9, outside very good, bore excellent, $30.00 each. Mauser 1924-7.9, outside perfect, bore perfect, $70.00. Russian Mousin 7.62, outside perfect, bore perfect, $30.00. Springfield .03, outside excellent, bore good, $50.00. Vincent Conigliaro, 155 Canal Street, New York, N. Y.

FOR SALE—JOHNSON 1-H.P. MODEL MS 38, outboard motor, very good, $65.00. 16-gauge Ranger Repeating shotgun, 3 boxes shells, excellent, $45.00. 22 Remington, Model 24 automatic, 500 shells, fair, $25.00. Shotgun primers, L. R. primers, 20-gauge empty shot-shells, .30-'06 cases, 38-56 and 32-30 loading tools, .30-'06, .25-20, 22 Hi-Power, 38-55 ammunition. Send addressed envelope for details. Edgar R. Stitely, Oskaloosa, Iowa.

SELL—SMITH & WESSON .357 MAGNUM WITH extra barrel, excellent, some factory and handloaded ammunition, $150.00. Robert W. Knight, Seneca Falls, New York.

FOR SALE—32 MAUSER AUTOMATIC, 50 CARtridges, excellent, $37.50. .45 Colt automatic arch housing perfect, $60.00. .22 Stevens pistol, very good, $25.00. 22 H&R Hunters' model very good to excellent $26.50. 32 H&R pearl grips, 3" good, $15.00. 38-Smith & Wesson nickel 3½, poor $10.00. Smith & Wesson 32, 3" nickel, fair $18.00. 32 Iver Johnson 3" nickel, poor, $7.00. 32 Iver Johnson nickel 2½", poor in, good out, $7.00. Hopkins & Allen 22 nickel 2¼", good, $8.00. 22 H&R hammerless nickel 2", excellent, $18.00. 38 Colt D.A. 6", good, $26.00. 38 S&W 5", fair, $15.00. 38 Long Colt 3½", poor, $10.00. 177 Haenel Air Pistol, 500 pellets, good, $15.00. Money orders please. R. P. Lueddeke, 263 Leland Avenue, Plainfield, N. J.

FOR SALE—HAVE CIVIL WAR PERCUSSION revolvers, shooting condition. List for stamp. Wm. Locke, 3607 Ault Park Rd., Cincinnati 8, Ohio. 8-44

KRAG CARBINE, GOOD, FORTY SHELLS, $30.00. Remington 50-70 rolling block, good, $12.00. Burnside percussion carbine, fair, $6.00. Baker 10 double hammer, fair, $10.00. Remington 12 single semi-hammerless, good, $8.00. Ralph Drake, Osborne, Kansas.

MAUSER, CUSTOM .30-'06 EXCELLENT 48, JOStam pad, Whelan sling, ivory cap and et cetera with new Pacific tool, dies, scale and shells, $165.00 complete. Also have some .30-30, .30-'06, 32, 30, 25 Remington and .270 shells. R. F. Fiedler, 1404 Addison St., Berkeley 2, California.

FOR SALE—4, 32-SHOT LUGER DRUMS, 1 loading tool, 2 belt carriers for drums, $55.00. 38 super-auto magazines, $1.50 each. 45 CAP magazines, $1.50 each. Ivory grips for Colt, $5.00; same walnut, $2.00. 45 auto grips, $2.00, all new. Black swivel .45 auto holster, perfect, $6.00. Shoulder holster, quick-draw, for 4" barrel, $3.50. Audley holster, 6" barrel, $5.00. Heiser flap holster, 6" barrel, $4.00. WANTED—44 Special cartridges. M. F. Ross, R. D., Red Bank, New Jersey.

FOR SALE—EXCELLENT, LATEST 52 WINchester Standard barrel, Vaver sights—cost $20.00, sheepskin case, Badger 24" kit, 400 rounds 22 L. R., plus 22 accessories, $120.00. Excellent 6" barrel Colt Woodsman, latest model, extra magazine, sheepskin holster, 400 rounds, $70.00. Complete descriptions on request. William Klueber, 56-14th Avenue, Haverhill, Massachusetts.

FOR SALE—MODEL 70 WINCHESTER IN THE following calibers: 300 H&H Bull Gun with Vaver rear, also standard grade 300 H&H, .30-'06, .270, .257, .250-3000, Hornet, .30-'06 PMVF, 300 H&H PMVF, some with Lyman 48 and others with Weaver 330 and 440, all of the above in excellent to perfect condition ranging in price from $100 to $200, also ammunition. Also have Model 71-348, Model 64-219, Model 99T Savage 300 with scope, 12-gauge double barrel, 12-gauge O&U Browning with rib, 12-gauge pump. Have Pacific Loading dies for .30-'06, .270, .220, .30-30, .30-40, 300 H&H, .257, and others. Also have Lyman 48 for Model 70. Write for more complete information and price list. WANT—220 Swift. Roy E. Weatherby, 7672 California Avenue, Huntington Park, California.

ITHACA DOUBLE 10-GAUGE HAMMERLESS, 32" extra heavy smokeless steel, full choke barrels, very good shooting condition, 16 boxes Super X and Peters Hi-base and Remington 6c low base, all prewar. $100.00. Winchester 94, .32-20 new 24 barrel, half octagon half round, new sight, rest of gun very good shooting condition, $32.00. Some cartridges extra, ceiling. Marlin .22 caliber Model 37 Lever repeater short, L. & L. R., new relined barrel by Addick's, Rome, Georgia, very good shooting condition, $15.00. Remington .24 automatic, 22 Short Lyman peep and leaf rear, bead front, not high speed, excellent, $27.00. New C Marlin .22 automatic 6-shot clip, loading 24" barrel, crown muzzle, Ballard rifling, factory grease, $23.00, extra clip, $1.68. Colt .38 caliber Military, 6" barrel, excellent, has small spot on right side receiver rubber stocks, has not fired 100 rounds, $45.00. Have shells extra. 32 caliber Savage automatic, 4" barrel, like new, new flap holster, $33.00, some shells, extra. R. Brockelsby Garage & Gun Repairs, Madison, South Dakota.

FOR SALE—SPRINGFIELD .30-'06, ROCK ISland #383455, as issued, excellent in and out, fired less than 100 times, with 100 new cartridges, $75.00 J. E. Aiken, 225 Orange St., S. E., Washington 20 D. C.

WINCHESTER 348 DELUXE, 24", 50 ROUNDS ammunition, as new $100.00. Winchester 52 heavy barrel, Marksman stock, 48 rear, 77 front, arm cuff, left hand mitt, size 38 10X coat. 500 rounds Kleanbore, outfit as new, $100.00. Winchester 42 pump, 410 gauge, 3", solid rib barrel, 28" full, perfect in, very good out, 5 box 3" ammunition, $60.00. 500 Sisk or Hornady .22 caliber bullets, 42, 50, 55 grain, $12.00 money order only. Harold Vaughn, Glouster, Ohio.

LARGE STOCK OF AMERICAN & EUROPEAN Arms. Send twenty five cents for our eleventh catalog featuring three New England collections which have just come in. We buy whole collections or single pieces, fair prices paid. Kimball Arms Company, Woburn, Mass. tf

FOR SALE—WESTERN NON-CORROSIVE BATtery cup shotgun primers, #209, fit all Western and Winchester shells, ten to twenty gauge inclusive; can be adapted to other shells, $15.00 per thousand. Federal explosives license must accompany all orders, no c.o.d.'s please. Robert Haelig, Boundbrook, N. J.

FOR SALE—COLT OFFICERS TARGET MODEL Revolvers 38 caliber 6" heavy barrel, perfect, $75.00. 22 caliber Single shot target pistols, custom built by S. H. Croft, 12 inch barrel by Peterson, double set triggers, large thumb rest, fine walnut stock by Neil Houchins, adjustable sights, excellent condition, $100.00. Colt Officers Model Revolver 32 caliber or 38 caliber heavy barrel target sights, like new $75.00. Colt Super 38 Automatic pistols, excellent $65.00. Forward money with order. No c.o.d. shipments. Public Sport Shops, R-74, 13 So. 16th St., Phila., Penna.

38 OMHB PERFECT INSIDE, VERY GOOD OUT, $68.50. Shells extra. J. E. Pinney, 624 Bluemont, Manhattan, Kansas.

SHOOTERS & HUNTERS . . . ATTENTION! Potter electric furnaces, M/c, $15.00. 330 Weaver scopes w/T mounts, $27.35. Stith mounts for 330 scope, $12.00. Sling pads, rubber and leather, 98¢. New Government slings, 1¼", 95¢. Complete line sling swivels, paper targets, and rifle stocks. Reclaimed Army mountain troop frame packs, $5.95 incl. Federal tax. Messkit, canteen and cup set, $1.98. 10" Bolo knife with sheath, $3.95. Send for free lists on sleeping bags, cold weather clothing. Warshal Sporting Goods, First and Madison BB, Seattle 4, Washington.

ONE MODEL 97 WINCHESTER 30", FULL, good, $45.00. .30-'06 Springfield target match, type C stock, serial #1478688, perfect, $125.00. Write for particulars. John McIntyre, Shirley, Mass.

FOR SALE—POWDER SCALES, $20.00. HENsoldt Dialyt 5 x 18, 10 ounce, $60.00. Pair 3½ point blankets with bag, $40.00. Pair 64 oz. Britanic metal flasks, $15.00. Engineers and max.-min. thermometers, $7.00 each. Marble and 2 imp. hunting knives, $6.00 each. Most of above in excellent condition. C. C. Werminghausen, Oradell, New Jersey.

UNERTL 1" SCOPE 8X, CLICK MOUNTS, EXcellent, $45.00. Lyman 5A scope, click mounts, $27.00. 2 Lyman 48 sights for 70 or 54 Winchester, $9.00 each. 700 small pistol primers, NMNC, $1.00 per hundred. 700 #116 primers, $1.25 hundred. Hundred 250-3000 cases, $4.00. 54 Standard stock, $5.00. Lovell 2R die and tools, carton 22 Long Rifle (Leader) ammunition, $7.50. Paul Maier, Middlefield, Connecticut.

FOR SALE—TWO MAUSER .30-'06 SPORTERS, front ramp, adj. receiver rear, one has '17 and the other Springfield Sporter barrel, both 24". One Springfield .30 caliber Sporter front ramp, adj. receiver rear, beautiful oil finished stock with cheekpiece, perfect in and out, $75.00 each. One issue Springfield, very good or better, $55.00. Two Winchester '94, .30-30 perfect, $50.00 with ammunition. Two Colt Woodsman 4½" and 6" barrel, perfect, $65.00 each. One Winchester M63 .22 auto., new condition, $37.50. One Winchester M24, 12-gauge, very good, $45.00. L. A. Karnik, 2713 Cornell St., Des Moines, 13, Iowa.

FOR SALE—480 ROUNDS .30-'06 FA 1938. EXcellent condition. Sent express collect for money order for $30.00. C. W. MacRitchie, 171-58th St., Niagara Falls, New York.

FOR SALE—38 S&W, OUTDOORSMAN, HONED action, perfect in and out, with 100 cartridges, $75.00. Rex Jewett, Ord, Nebraska.

H&R SINGLE ACTION SPORTSMAN 3" BARREL, extract 6" barrel and stock, excellent in, very good out, $40.00. RIFLEMAN 1939 through 1943, $10.00. Martin Ruedger, Carson City, Michigan.

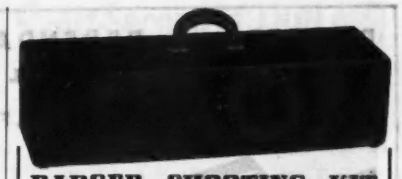
WINCHESTER .30-30'S—ONE 26" FULL MAGAzine fair in, good out, 2 boxes ammunition $29.00. Another 22" half magazine, excellent in, very good out, 2 boxes ammunition, $34.00. Thousand shot empties mostly .30-'06 but lots of other populars some primed, 200 primers, $20.00. 1,000 Government pistol primers, $10.00. WANT—Atlas lathe Jacob Luoma, Star Route 550, Marquette, Michigan.

COMPLETE OUTFIT FOR SMALL BORE shooter, Winchester 52 standard barrel, speedlock, very good in, good outside, Lyman front and rear, Mossburg scope and mounts, Lord Bury spotting scope, sling, coat, glove, 500 rounds ammunition, other extras, $150.00. 45 Colt Frontier, 7½ barrel, very good in, reblued out, complete reloading outfit, bond straightline tool, mold. Ideal powder measure, lubricator and sizer, 200 empties, 500 primers, powder, lead and other extras, $100.00. These are complete outfits, nothing else to buy. Stamp for reply, please. J. H. Chapman, 11 Shelbourne Road, Upper Darby, Penna.

WESTERN 1½ PRIMERS, NEW, $10.00 M. Rogers & Spencer, cap and ball, revolver, never fired, $40.00. .30-'06 ammunition 4¢. 9" metal working lathe, complete, fine, $150.00. WANT—45, 2⅞" Sharps straight cases and other paper patched ammunition. Dewey Bryant, Greenwood Mt., Maine.

FOR SALE—6.5MM MANNLICHER SCHOEnauer carbine, German custom mounted 4X Voightlander scope. Excellent condition. Pacific dies, 4 boxes 150 grain ammunition. 150 bullets and cases. Price $210.00. Money order only. WANTED—M70 action complete. L. Musel, 201½ West 21st., Cheyenne, Wyoming.

FOR SALE—BELGIUM BROWNING 16GA. 26" cylinder, very good to excellent $60.00. 20ga. Wards 3 shot bolt action, very good in, fair out, $15.00. 25-20 Winchester model 92, poor, 50 cartridges, $23.50. Ithaca 12ga. 28" full and modified, 50 shells, very good to excellent, $45.00. Money orders please. R. P. Lueddeke, 263 Leland Ave., Plainfield, N. J.



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Lyman 30½ Tang, with disc (Sav. M/99)	6.50
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Marble-Goss 750 Series (M/75, Stevens M/416, Sears Ranger, & Mossberg)	7.50
Redfield 70RSH (Rem. M/720)	7.50
Redfield 102L (Sav. M/99)	5.00

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1,000 ROUNDS .38 SPECIAL RELOADS, FULL charge, 158 grain Conical bullet, $1.75 box; minimum shipment ten boxes. Woodsman 4½", excellent to perfect, holster, 150 cartridges, $60.00. Colt P.P. 38 Special 4" barrel, in factory box, excellent to perfect, shoulder holster, 100 cartridges, $55.00. Byron Engle, 3018 E. 7th, Kansas City, Missouri.

ANNOUNCING NEW CATALOG #24 DESCRIBing over 1500 bargains 30¢. Modern and Antique Firearms, Accessories, War Relics, Binoculars. Brand new .45-70 Springfield, $19.50. Plenty ammunition, $2.50 box. 38 Long, $6.00 hundred. Springfield Service, good, $60.00. Krag Sporter, good, $60.00. 22 Savage Sporter, good, $32.00. 38 Special M&P 5", good, $52.00. 32-20X6½", good, $54.00. 44 Special Triplelock 6½", good, $64.00. 45 auto and Colt 1917, excellent, $62.00. 25 and 32 Colt autos, excellent, $36.00. 25 Ortgies, 32 Savage, good, $30.00. Many Frontiers, Autos, C&B Revolvers, Muzzle Loaders, Kentuckies. U. S. Bolo Knife, Scabbard, excellent, $10.50. John Smith, Rambler Avenue, Runnemede, New Jersey.

FOR SALE—SISK WARTIME .22 CALIBER BULlets, 42 grain in .223" and .224". 54 grain in .224". $2.60 per 100 prepaid. Users report excellent accuracy. Leslie Lindahl, Central City, Nebraska.

FOR SALE—UTILITE: UTILITY LIGHT BURNS in wind and rain, two in a can, used by hunters, campers, truck drivers, automobilists, etc. shipped prepaid, $3.00 per dozen cans. Pocket compass, Taylor with Bakelite case and needle lock, brand new $1.50 each. Pocket Compass, all metal case, radium hand, watch type, brand new, $4.95 each. Soft leather golf wood covers, $1.10 set of three. Duck decoys Mason pattern solidwood, with carved feather, blue bills, brand new, $10.50 per dozen. Leather boot with rubber recoil insert for shotgun or rifle, new $1.50. Stevens rubber recoil pads for shotgun or rifle new $1.50 each. Iron dumb bells from 2 to 25 lbs. 25¢ per lb. Air rifle pellets caliber 177, $2.00 per thousand. Cal. 22, $2.50 per thousand. 38 Special cartridge cases Chrome-Western for small primer, shot once, $1.00 per hundred. Forward money with order. No c.o.d. shipments. Public Sport Shops, R-74, 13 So. 16th St., Phila., Penna.

FOR SALE—WINCHESTER MODEL 65, 218 BEE, peep sight, q.d. swivels crudely attached, otherwise perfect, 190 fresh factory cartridges, $65.00. Savage 19H Hornet, Lyman 438, 100 cartridges, excellent, $80.00. Savage Model 219 Lyman receiver sight, K-Hornet, with 50 regular Hornet cartridges, $32.50. Robert Haelig, Boundbrook, N. J.

FOR SALE—ONE ROPER REPEATING SHOTgun, including 25 shell casings, powder measure, and wad-cutter in original box, casings revolve in a spider and fit into barrel for firing, very rare, small rust marks easy to remove outside, excellent otherwise, gun stenciled "Roper Repeating Rifle Company, Amherst, Massachusetts, patented April 10, 1866." Write for particulars. R. M. Bassett, 12 South 12th Street, Philadelphia, Pennsylvania.

FOR SALE—MODEL 70, 300 H&H BULL GUN, $142.70. Model 71 Deluxe .348 with extras, $95.00. 375 H&H Model 70 Sporter with extras and special grade stock, $110.00. Model 70, .300 H&H Sporter with Griffin and Howe mount for Alaskan scope, other extras, $132.50. Latest model 52 heavy barrel, with Lyman 48 rear and 77 front, $90.00. Model 12 Skeet gun 12-gauge with steel compensator, three tubes, $100.00. 20-gauge, same as above with Weaver 1X attached, $125.00. Model 42, .410 Skeet gun with pistol grip, $60.00. S&W .45 Government model, $55.00. S&W .44 Special Target 6" barrel, $60.00. S&W .38 Special Commando, $45.00. These guns are all excellent to factory new. Some ammunition, at list price for each gun. Shipped c.o.d. privilege of inspection. R. T. Roush, Angola, Indiana.

FOR SALE—#2 ITHACA 20 BY 28, IC & MOD. SST. Non-automatic safety, automatic ejector, recoil pad, Lyman sights, perfect, $105.00. R. P. Boardman, 545 Algoma Blvd., Oshkosh, Wisconsin.

FOR SALE—300, .30-'06 F.A. 38, $24.00. 300, .30-'06 F.A. 36, $22.00. $8.50 per hundred. George E. Miller, Rapid City, Michigan.

FOR SALE—WINCHESTER 52 H.B. VAVER EXtension rear, excellent, $85.00. Bausch & Lomb drawtube Freeland stand, excellent, $40.00. Ithaca #37 featherlite 12-gauge, 28" mod., excellent, $75.00. Stanley Fogle, Memphis, Missouri.

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By Major General William H. Rupertus, U.S.M.C.

THIS is my rifle. There are many like it, but this one is mine. My rifle is my best friend. It is my life. I must master it as I must master my life. My rifle, without me is useless. Without my rifle, I am useless. I must fire my rifle true. I must shoot straighter than my enemy who is trying to kill me. I must shoot him before he shoots me. I will . . . My rifle and myself know that what counts in this war is not the rounds we fire, the noise of our burst, nor the smoke we make. We know that it is the hits that count. We will hit . . . My rifle is human, even as I, because it is my life. Thus, I will learn it as a brother. I will learn its weaknesses, its strength, its parts, its accessories, its sights, and its barrel. I will ever guard it against the ravages of weather and damage as I will ever guard my legs, my arms, my eyes, and my heart against damage. I will keep my rifle clean and ready, even as I am clean and ready. We will become part of each other. We will . . . Before God I swear this creed. My rifle and myself are the defenders of my country. We are the masters of our enemy. We are the saviors of my life. So be it, until victory is America's and there is no enemy, but Peace!

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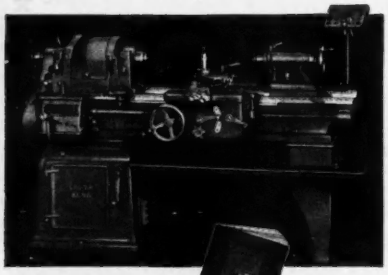

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FOR SALE—SUPER MATCH $125.00; KH HISide, $100.00, both perfect, $50.00 worth primers, bullets other extras with each, real bargain, stamp for details. Want Sextant, Leica. W. C. Johnson, Norwich, Vermont.

WANTED—OUTBOARD MOTOR 5HP OR LESS, also following Springfield parts: Trigger guard, floor plate assembly, grooved trigger, Sporter stock, ramp front sight. For Sale—Following Krag parts: five firing pins, two triggers, two sears, two magazine springs, one extractor, one cocking piece, one lower band and swivel, prices on request. Two genuine Mannlicher metal foreend tips unblued, $4.00 each. Mauser set trigger parts, $5.00. Two Stevens palm rests, clamp on trigger guard, $5.00 each. Conroy mike for Springfield $2.00. O'Hare rear sight cover $1.00. James I. Davis, 2466 24th Avenue, North, Seattle 2, Washington.

SELL OR TRADE—JOHNSON SINGLE MODEL D.S. .38 nearly new, about 15 hours, $100.00. 218 Bee, perfect, stock few slight scratches, 500 components, $90.00. Trade four boxes 270 Winchester, new for four boxes 150 gr., 30-06 Western O.P. or equivalent. Sisk Super Lovell 41 gr. for Western O. P. 150 gr. 30-06. Five boxes 300 Savage Kleanbore 180 gr. for 150 gr. same. Two boxes 7 mm. Mauser Kleanbore 175 gr. for 300 Savage 150 gr. Wanted—Zeiss Zieldier with flat tapered post & crosshair internal windage & elevation or Zeiss Zielklein as above. H. G. Good, R.F.D. #1, Santa Paula, California.

SELL OR TRADE—94 WINCHESTER 25-35 GOOD out perfect in, 4 boxes shells, $65.00. 12 Hickory cleaning rods hand made $7.00. One horse pistol in good shooting condition with 200 caps. Trade for single shot rifle. Henry Webelhuth, Monica, Illinois.

SELL OR TRADE—257 BARREL, 70, VERY good, $17.00, 30-06 barrel, 54, rechambered $12.00, very good, 22 Woodsman short barrel, good, $6.00, Springfield bolt all except rear firing pin $8.00, 30-06 F.A. cases fired once ¾¢ each. Bullets .228 dia. Savage 70 gr. S.P. 250 rounds $12.50. Want—7 mm. Pacific dies, & 139 gr. S.P. bullets, large primers. 270 caliber 100 gr. bullets. 30-06—150 gr. S.P. will trade or cash. C. Lamadrid, 3080 Comstock 10, San Diego, California.

WANT—COLT DETECTIVE SPECIAL, VERY good or better. Sell—Colt Official Police 38 Special 4" barrel, Shick flyer electric razor, excellent $10.00. Rolls razor, excellent, $12.00. J. L. Escude, Jr., Mansura, Louisiana.

SELL OR TRADE—WATCH, OPEN FACE 18 size pocket, gold case, fancy engraved chain, 21 jewel Waltham "Vanguard" movement, an accurate time piece, good, $50.00 or trade for good gun or revolver similar value. J. E. Lyons, 2140 Pacific Ave., San Francisco 15, California.

SELL OR TRADE—GENUINE WALTHER HP Army Pistol, captured from German Officer Africa, caliber 9 mm. 5" barrel, 1100 FC, 29 oz., firing pin always locked, first shot double action, excellent in, good out, $125.00. With 70 German ammunition 16 to box. Weaver 330 scope (new) Stith mounts, $37.50. Winchester 54, 30-06 Sporter stock, regular sights, barrel very good, good out, $95.00. Noske 4X #3 rifle scope, excellent in, good out, Noske mount, 15" eye relief, post, $100.00. Stevens 12 ga. double, new, $39.50. Lefever 20 ga. double, excellent in, Nitro Express very good out, 3 boxes, $50.00. Springfield heattreated action, 24" barrel, complete ready for stock, new barrel $57.50. Winchester 70 Standard, excellent, 300 H&H, Zeiss 2¼ Zielklein scope, Redfield mount, 10 boxes hunting, $285.00. 6x30 binoculars U. S. Signal Corps, individual focus, 30 oz., cleaned & adjusted, excellent in, good out, $50.00, cash or trade. What have you? B&L Drawtube, new, original box, $42.50. Hensoldt 8x24 Artriellei, leather case, straps, excellent in, good out, $62.50. 500 lead 38-55 lubricated bullets & 400 30-06 primed cases. Want to trade? Stevens model 76 auto or single shot, excellent in, good out, $47.50. Remington model 121 pump, excellent, 22 L.R short or long, 4 boxes with each, $50.00. Winchester 12, 12x30 full, ribbed barrel, excellent in, good out, $89.50. Remington Model, 29, 12 ga. full, perfect in, good out, 3 boxes, $62.50. Want for cash or trade. Winchester 70, 7 mm. Standard or Super, Zeiss rifle scope or 7x50, 10x50 binoculars. 65 mm. B&L or Zeiss Spotting scope. Winchester 70, 270, or 30-06. 6.5 Mannlicher-Schoenauer ammunition. Excellent 7 mm. or 6.5 barrel any make. Wire or money order. H. C. Osborn, 1120 Broadway, San Antonio, Texas.

BULLETS FOR PRIMERS—SWAP V-200 SISK .228 Savage 55 gr. 400 Sisk .224, 63 gr. 1000 Watkyns Morse .224 55 gr. heavy jacketed bullets. All pre-war bullets. Want large and small NMNC rifle primers, for sale, 23-D Savage K-Hornet Ideal #3 tool, 100 handloads, 200 NMNC primers, 200 bullets, excellent, $65.00. Virgil Masters, 1400 Broad Street, Utica, New York.

SELL OR TRADE—PEDIGREE POINTER PUPS farm raised, Ch. Spunky Creek Boy, Ch. Air Pilot, blood lines $50.00 each or trade for Modern Guns. Harold Hemmelgarn, R.R. #1, #105, Maria Stein, Ohio. 8-44

SELL OR TRADE—BROWNING LIGHTNING O&U double trigger, excellent in, very good out, $90.00. 45 Auto, Government Model, excellent $65.00, perfect B&H Filmo T&H, F:2.5, case, $75.00. Details on request. Want excellent Sweet 16 with rib. Joe Albanese, 2236 So. Wentworth Avenue, Chicago, Ill.

SELL OR TRADE—52 HEAVY BARREL, LYMAN sights, $80.00, 12-12 trap, 30" full, $90.00, Eastman #3, Autographic Kodak, special, with case, $45.00 cost $95.00, all excellent. Will pay cash for 42-410 or 12-12-16 nickel steel, 30 Remington, 22 W.R.F., 38 Officer's, Matchtarget, or Woodsman, late S.W. Masterpiece, 14,141, 35 Remington, 351, 63 Winchester. Charles Wilkins, Box 161, Luke, Maryland.

SELL OR TRADE—BROWNING O&U, 12, SINgle Selective trigger, solid rib, 30" barrel. F&M, recoil pad, very good, $115.00, or want modern 10 or 12 gauge Magnum double, Single trigger, with shells. Give stock measurements. F. C. Wilcox, Janesville, Wisconsin.

WANTED: 6.5MM. MANNLICHER, 32 SHORT, .25 Auto. Cartridges. Will trade new O.M.T. for same, K-22 or what? W. J. Staudte, 5238 Milwaukee Avenue, Chicago 30, Illinois.

SELL OR TRADE—97 WINCHESTER 12-30 full, blue worn off, barrel fair to poor 25 shells, $26.00. Want—25-20 Winchester, good condition, plenty cartridges. Warren Peschl, Middletown Springs, Vermont. % Gardner's.

SELL OR TRADE—SAVAGE 250-300 EXCELlent, 348 Lyman scope, 100 cartridges, also iron sights, this rifle has been shot very little, first $100.00, or would trade for M70-220 Swift in like condition with like amount of cartridges. J. R. Peacock, Box 205, Oshkosh, Nebraska.

FANCY ENGRAVED 38 ARMY SPECIAL, GOOD condition, $60.00. H. North, 718 8th Ave., S.E., Aberdeen, So. Dak.

SELL OR TRADE—PRIMERS, 25M REMINGTON #1, nickeled, boxed, clean, small pistol, $8.00 per M. Winchester #4 and #6 shotgun $8.00 per M or trade for others. 22 LR and shotshells—trade in lots for? Emerson Custom Loads, Auburn, Mass.

SELL OR TRADE—KRAG SPORTER, AJACK scope 2½x52, Union mount, sling, 20 cartridges, very good, $80.00. Enfield, unblued, no sights, unfinished circassian stock, bore excellent, $35.00. Marlin 39, 1A rear, case, excellent, $30.00. Trade .22 L.R. or .45 ACP cartridges. Want—.35 Remingtons. W. J. Holzwarth, 383 Myrtle Ave., Irvington 11, N. J.

SELL OR TRADE—32-20 SAVAGE SPORTER, scope, good, $45.00. Want Match Target Woodsman, Enfield issue, Springfield issue. Irl Atkinson, 434 35th South, Seattle 44, Washington.

SELL OR TRADE—REMINGTON 31, 20 GA., 28" mod., good to v.g., 50 shells $55.00. Perfect Winchester 61 octagon, tang peep, 500 L.R. $55.00. Sell 250-3000 cartridges or trade for 22 Hornets. Want used stock and fore-end for 14 or 141 Remington. John Borland, Emlenton, Penna.

SELL OR TRADE—NEW WINCHESTER MODEL 12, 16 gauge 28" mod. $75.00. Want K-22 Masterpiece ,new heavy barrel for 52 Winchester, $30.00. J. W. Crolley, 1800 Kimball Avenue, New Kensington, Pa.

SELL OR TRADE—FARMERS ONLY, 10 NEW Winchester 12-16-30 full $56.70 each. Want good Deer rifles. Andrew Kenney, 7913 Inglenook, Pittsburgh 21, Penna.

SELL OR TRADE—.224" BULLETS, 55 AND 45 grain, am able to make them in limited quantities. To do so I need copper long rifle cases. Western and Remington wanted. My dies and punches are made to fit these two cases. Any quantity taken. C. G. Moffat, 6540 Riverton Avenue, North Hollywood, California.

SELL OR TRADE—COLTS OFFICIAL POLICE revolver 22, excellent, wool lined holster, $51.00. Springfield Army rifle 45-70, bayonet, barrel good, $10.00. Spencer Army rifle 50, barrel fair, $8.00. F. W. Daniels, Charlestown, New Hampshire.

SELL OR TRADE—SPRINGFIELD M2 HORNET fancy stock, sling, Lyman rear sight, gold bead front, Pacific dies & shell holder, 100 reloads, $100.00, very good. Springfield Rock Island Arsenal .30-06, sporting stock, sling, Redfield rear, very good, 60 rounds issue, $75.00. Colt Woodsman, 6½" barrel, pearl & walnut grips, excellent, $75.00. Colt Bisley 38 Special new barrel and cylinder, stag handles, very good, 100 reloads, $75.00. Mauser 7.65, box shells, good $25.00. Mossberg 44B sling, very good, 100 long rifles, $40.00. Winchester 92, 32-20 box Hi-Speed, good, $25.00. Want—Large & small rifle primers buy or trade any above. D. W. Dornon, R.D. #2, East Palestine, Ohio.

SELL OR TRADE—ORIGINAL S.A. COLT parts, base pin and bushing 90¢, ejector tube $2.75, 5½" blue barrel and cylinder 45 caliber, $9.00, loading gate 75¢, main spring 35¢, trigger guard $4.00, hand & hand spring, 50¢, rear and bolt spring 15¢. Bolt 50¢ plus postage on all. Will trade above for gun books, catalogs, flasks, percussion caps, etc., only in quantity. 300 different collectors boxes of 22 caliber $180.00, 90 different collectors boxes of 38 caliber, $175.00. Many duplicate gun books and gun auction catalogs. Want flasks, gun books and catalogs for cash. Ray Riling, 6844 Gorsten St., Phila. 19, Penna.

SELL OR TRADE—COLT .38 SPECIAL P.P. EXcellent, 150 cartridges, carved holster, $60.00. Want—Walther 9 mm. Military model auto; Walther .22 auto; Remington .300 Savage Auto. Woodsmaster. Robert Johnson, Life Member, 1241 Sigsbee, Grand Rapids 6, Michigan.

SELL OR TRADE—38 SPECIAL RELOADS $2.00. 44 factory $3.00. Trade new Potter D furnace for 4000 NMNC primers, stamped addressed envelope for details. Dr. Charles Reynolds, Huntington, W. Va.

FOR SALE—WINCHESTER 52 BULLGUN, NEW, $100.00, Springfield 1903 Service rifle, excellent, $55.00, Winchester 74 for shorts, new $25.00, Model A Hi-Standard, new, $50.00, 32 Colt automatic 25 cartridges, very good, $28.00, 45-70 Springfield, excellent, $15.00, 45-70 Marlin, fair, $15.00, Ballard 32-40 Schuetzen, fair, $20.00, Winchester 73 32-20, good, $12.00, Mauser 11mm. excellent, $15.00. Will trade any or all above or pay cash for fine Schuetzen type rifles, muzzle loading rifles, or fine Kentuckies. T. J. Cooper, R 7, Meadville, Penna.

SELL OR TRADE—41 REMINGTON DERRINger, very good, Pearl stocks, 35 fresh shells, $20.00, for Colts SAA good. A. K. Warren, Jr., Boykins, Va.

SELL OR TRADE—SPECIAL 16 GAUGE SAVAGE $125.00, Browning 20 gauge, $100.00, both perfect, Poly Choked, extras. 8x30 miroculars, $60.00, B mounts, $5.00. Bob Payne, Utica Road, Utica, N. Y.

SELL OR TRADE—.22 SPRINGFIELD M2, scope blocks, low bolt handle, sling, 438 Lyman, 1500 L.R. 22's, all excellent, $125.00. 16 ga. Winchester double, M24, 26", full, Mod., excellent, 20 slugs, box shells, case, $50. S&W M1917, revolver, 45 automatic, excellent, $45.00. B&L 6 x 30 binoculars E.E., optically perfect, finish worn, excellent case, $45.00. Want Spotting scope, D.S. Martini or Borchardt, 22 target revolver. Aurand, 340 Logan St., Lewistown, Penna.

SELL OR TRADE—PARIS MEPHOS, 8X30 BINoculars, for Krag or Enfield or $35.00. Want good Krag, Enfield or Springfield, issue or Sporter, have 30-40 shells for sale, or trade. E. L. Rogers, Harvard St., Wenatchee, Washington.

SELL OR TRADE—RELOADING TOOLS: IDEAL armory press with 45AR, 45AC, 30-40 dies $30.00. Dies only, $15.00. B&M 32-20 tool, $15.00, 25-20 SS cradle, $2.00. Tong tools, 38LIL, 38LOL, 45-85, $3.00 each. 100 Hornet components, $6.00. F.A. 30 cal. 5 ball mold and 30-40 seater and crimper $15.00. Want—Krag or 30-06 with excellent barrel, also lubricators, sizers, B&M dies for 270, 30-40, 30-06, also Want 38 Special fired cases in 1000 lots or more, Trade 500 LR or SP primers on items wanted. Ralph Imler, 2352 So. Race, Denver, 10, Colorado.

SELL OR TRADE—LUGER, 9MM. 4½, 1942, PERfect, original holster, 3 extra clips in case, 80 ctgs. $85.00. Want MT Woodsman. Write. Capt. M. Slavin, Wadsworth, Kansas.

SELL OR TRADE—45 COLT D.A., 3" BELLYgun, good, 27 cartridges, $30.00. 38 S&W hammerless, good, $20.00. 45-90 SH Sharps, v.g., bore excellent, $45.00. Pflueger Capitol #1989 reel, new, $20.00. Want—25 caliber barrel, Mauser action, what? E. B. Faber, Grand Junction, Colorado.

SELL OR TRADE—30-06 SEDGLEY SPORTER, excellent, complete set loading tools and 1200 components $200.00. Remodeled Krag carbine cheek rest, good, 170 cartridges, $55.00. Want Bench lath. A. B. Curtis, 20676 Almar Drive, Cleveland, 22, Ohio.

SELL OR TRADE—22 LOVELL WINCHESTER SS by Johnson, new action and barrel, no stock some ammunition $55.00. 22 Long rifle heavy barrel, same, some ammunition, $40.00. 250 Model 20 Savage feather W.T., good, ammunition, $45.00, 30-06 Mauser action, new barrel 29S scope, no stock, ammunition $65.00. Handy tool accessories, 25¢ each. Wanted 300 Savage feather W.T. and ammunition. Remington Navy Pistol, Stevens off hand. Charles Meszaros, 1952 Paulding, Bronx, N. Y. N. Y.

SELL OR TRADE—COLT NEW SERVICE, 38 Special, six inch, excellent, $50.00. Police Positive Target, six inch, 22 long rifle, perfect, $50.00. Money orders. Want—Winchester 21, 12 skeet, Parker, others. John D. Sullivan, Jr., Franklin, Vermont.

SELL OR TRADE—WEAVER 330 SCOPE TAPER post, Winchester 70 mount, excellent, $30.00. Trade 500, 22 L.R. greased new stock for 35 Remington 200 gr. A. H. Wild, Springfield, Minnesota.

SELL OR TRADE—22 LR WINCHESTER MUSket, excellent, $25.00, Smith Specialty 12-30-3# EOBV 100 trap, 100 Magnum, good, $150.00. Fox AE, 12-32 FF perfect $110.00, or M11 Remington automatic ventilated rib, full choke, excellent to perfect or Solid rib. Difference if any in cash. 28-30 or 32 inch barrel 12 ga. J. J. Frederick, Prophetstown, Illinois.

SELL OR TRADE—1 SAVAGE 99 SOLID FRAME, excellent, 55 cartridges, $80.00. 1 excellently custom remodeled Enfield, Redfield 102 receiver sight, $60.00. 1 Model 93 Mauser 7mm. 24" barrel, sporting stock, receiver, rear very good, 60 cartridges, $60.00. 1 Remington Russian 30-06, good, $20.00. c.o.d. inspection allowed. Wanted—139 grain 7mm. bullets. Will trade 116 primers or some factory loaded ammunition. Frank Riddle, 214 Imperial St., Oil City, Penna.

SELL OR TRADE—1939 SEA KING 2.5 H.P. twin outboard, very good, $60.00. Krag carbine, action very good, barrel poor, $20.00. Remington-Hepburn action very good, $10.00. 29S Weaver scope & mount, new, $15.00. 55 R. Lyman sight, new $2.50. Justrite carbide cap light, very good, $5.00. Tenor Banjo, cost $75.00, very good, $30.00. Old Outdoor magazines write for particulars. Want—Farquharson rifle or action, Ballard 22 L.R. double S.T. must be excellent; .257 jacketed bullets, 100 gr. or under. Woodrow Hoover, Canal Winchester, Ohio.

SELL OR TRADE—SAVAGE MODEL 99G. V.G., 25 S.P. shells, $65.00. Trade Hornets, 218 Bee, 25-20 repeater, 8mm. Mauser, 9mm. Luger, 6.5 Mannlicher, 9mm. Mauser, 44-40. Want 25 and 32 automatic 410 or what? C. Barner, R.D. #2, New London, Conn.

SALE — SPRINGFIELD SPORTER CUSTOM stock Lyman rear ramp front, good $80.00. Will trade for unfired Star gauge barrel and difference. Stamp for details. A. J. Bennett, 1210 Central Avenue, Louisville, 8, Kentucky.

SELL OR TRADE—45 AUTOMATIC, GOOD, $50.00. 44 Army Special, fair in reblued, $35.00. Want 250-3000 shells. H. R. North, 718-8th Ave., S. E., Aberdeen, S. Dak.

SELL OR TRADE—MANNLICHER-SCHOEnauer 30-06 high velocity sporter, inside excellent to perfect, outside excellent, Niedner side mount, $175.00, less mount, $145.00. Want .275 HH or 300HH. C. C. Buckley, R. D. #2, Sharpsville, Penna.

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FOR SALE—52 WINCHESTER H.B., EXCELlent, Marble Goss rear, Vaver front, $85.00, L. C. Smith double 20, perfect, will trade for Colt's Sport Woodsman, must be excellent. Dr. C. Nichols, 216 N. 7th Ave., East., Newton, Iowa.

SELL OR TRADE—SAVAGE 99, 22 HI-POWER, takedown, Lyman sight, 40 cartridges, excellent in, very good out, $60.00. Will consider trade on model 70 or 54 Winchester 30-06 in excellent condition. 2.5 horse single, Neptune. 15 hours use, 1941 model, rope starter, excellent, $75.00. 25-36 Marlin 1893, fair in, very good out, 18 cartridges, $25.00, 38-55 Marlin, peep sight, fancily engraved with standing and reclining deer, 39 cartridges, good, $35.00. Desire 250-3000 ammunition. Wm. Garrigan, Belvidere, Illinois.

SELL OR TRADE—S&W 22-32-6" TARGET $70.00, Woodsman (Franzite) 6½" target $70.00, USRA 10", new $50.00, Colt P.P. Special 6", $55.00, S&W .38 Special M&P, $55.00, Frontier 38-40 5½" $50.00, Colt .45 Automatic (Franzite), 100 cartridges, $65.00, Savage .32 automatic $27.50, all excellent some perfect, Want 7.63 military Mauser 5", or 30-06, 24" barrel, for cash, or trade. Al Bopp, 2411 Hastings Ave., Evanston, Illinois.

SELL OR TRADE—WINCHESTER MODEL 12 Pregon grade 12x30 full, ventilated, excellent, $219.50. L. C. Smith 12x30 M&F, excellent, $59.50, Colt 32 automatic, 25 rounds, perfect, $38.50, J. P. Sauer 32 automatic, 25 rounds, perfect, $32.50, Colt Officers model 32 Special, 6" with shooters case, excellent, $69.50. 30-06, 1942 issue, 9¢. Will trade excellent Remington #6 noiseless typewriter for high grade binoculars or gun. Andrew Spina, 514 Main, Towanda, Penna.

SELL OR TRADE—PARKER 28 DOUBLE, V.H. grade two sets of barrels, excellent, $135.00. Trade for larger gauge double. Harry Steck, 4828 W St., N.W., Washington, D. C.

44 SPECIAL HEADQUARTERS—BUY, SELL, cases, tools, everything for 44 Special. 44 Associates, Auburn, Mass.

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SELL OR TRADE—M95 WINCHESTER, 30-40, 28", good, pistol grip model, ammunition, $42.00. Pacific tool, .220, .257, or .270, complete for one caliber, perfect, $22.50. Trade 100, .220, 100, 30-30 factory cartridges. Want—primers, #9½ or #120; .220, 50 gr., .270 and .30 S.P. bullets. W. H. Janssen, Nokomis, Illinois.

SELL OR TRADE—PAIR 45 AUTOMATIC FRONtier Colts, excellent, 4½ and 5½ stag Franzite grips, $180.00, consider trade. William Bachrach, 6812 Harper Ave., Chicago, 37, Illinois.

SELL OR TRADE—38-6" COLT MILITARY AUtomatic, perfect in, excellent out, spur hammer, Franzite grips, 50 rounds, $45.00. 45 Colt automatic, arched housing, perfect in, excellent out, stag grips, 100 rounds, $65.00. 52 Standard, perfect in, excellent out, 10X Winchester scope, new army sling, trade for 300 Remington automatic. Trade 2 boxes kleanbore 38 Super automatic for 2 boxes regular 38 Automatic cartridges. Wanted, 45 Colt automatic, or Woodsman, 1 box 32-20 and 1 box 44-40 cartridges. J. L. Shull, Tyler, Texas.

SELL OR TRADE—.22 SS PERFECTED, 10", call front, original, perfect except slight finish scratches, $65.00. Want perfect 1fB&L or Zeiss 6x30. Stamp. Lyle Kjer, Montezuma, Iowa.

SELL OR TRADE—A COLT ARMY SPECIAL 32-20, 5", blue, brand new, $40.00. S&W single shot, 8" target pistol 22 caliber fair, $12.50. Will trade either gun. A. W. Plumlee, Cambria, Illinois.

SELL OR TRADE—WINCHESTER M42 FULL, honed to modified, v.g., trade for 2 or 3 H.P. outboard, Ortigies 6.35 automatic blueing worn, good, $15.00. 32 S&W breakdown SA made without trigger guard, fair, trade only for 400, .22 L.R. same in .38 parts only, Want 100, 22 LR. 50, 20ga. #6, trade for 400, 22 LR or shorts. 192, 38 RF longs B.P., trade for 150, 22 LR. 50, 20ga. single ball HV want 35, 12 ga. any size shot. Maytag single, gasoline motor good, $30.00 or small outboard. Ray Augspurger, Winchester, Indiana.

SELL OR TRADE—VARIABLE 5 TO 20 POWER Wollensak Spotting scope, excellent, $15.00. Ideal lubricating dies .401, .428 .452 .454 .457 $3.00 each with punch. 38-55 Ideal loading tool complete $4.00 slight rust. Want 50 16 gauge empty shells, also Ideal dies .257 and .3095. Benton F. Allen, Rt. #7, Anderson, Indiana.

SELL OR TRADE—WINCHESTER 12, MODEL 40, excellent, 100 rounds, $100.00. 4 cylinder Evinrude Zephur, needs carburetor, minor repair, gas tank dented $60.00. ¼ to inch ratchet pipe dies $20.00. Plumbers pot, $12.50, both nearly new, Kossman sensitive altimeter $100.00. 9 column late model adding machine, $100.00. B&L gold rim Ray Bans, $10.00. Remington 12 model 11 receiver, action, magazine, forearm no stock, or barrel, $17.50. Falcon press flash camera, $7.50. Wanted Remington H.P. automatic, binoculars, parachute sporting goods and ammunition all kinds. Gookin, 7024 Denison, Houston 10, Texas.

SELL OR TRADE—HAENEL 9MM. CUSTOM sporting rifle, double set triggers, beautiful walnut stock, 80 soft point cartridges, perfect, $100.00. May consider reasonable offer or trades. Money orders please. R. P. Lueddeke, 263 Leland Avenue, Plainfield, N. J.

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TRADE—EXCELLENT M63 WINCHESTER FOR M65. Bee. New M70 scope width, sheepskin lined, saddle scabbard. WANT—8 x 40 or 10 x 50 binoculars. Prices reasonable. Sam Grover, Monida, Montana.

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TRADE—AMMUNITION 300 SAVAGE 32 WINchester St. 30-30, 30, 32, 35 Remington 32-40, 12 ga. Super X rifled slugs, all factory. 1500 Hornet maximum reloads. Want 12-16-20ga, 5-6-7ch. 218 Bee's factory. Raymond B. Shultz, Member, 1304 Farragut St., N.W., Washington 11, D. C.

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TRADE—COLT ARMY 38 SPECIAL, REMINGton cap and ball, frontier revolver, all good plus, for camera. William Bachrach, 6812 Harper Avenue, Chicago, Illinois.

TRADE FOR SHOTGUN SHELLS .30-30, .30-'06, .270, .25-35, 405, 35 Winchester, 32 Remington Auto, excellent, factory loads. Tom Cusack, Hubbardston, Michigan.

TRADE FOR REMINGTON AUTOMATIC HIPower, any caliber, Colt Official Police 38 Special 6 bbl. Colt Army Special 38 caliber 5 bbl. Colt 22 Match Target, all new, test fired. George Stone, Whitewater, Wisconsin.

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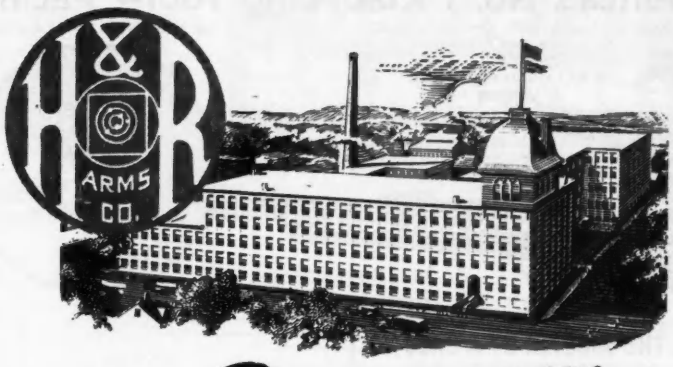

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WANTED—30-06, 110 GRAIN CARTRIDGES. For sale nice village home, particulars write. Jergon Johannessen, Washington, Vermont.

WANTED—WINCHESTER 12-20, EXCELLENT to very good, also need 12 gauge Magnum shells, will answer. Edward Atmore, Santa Paula, California.

WANTED—WINCHESTER MODEL 52 STANDard grade, excellent or perfect with examination privileges. Harry D. Carter, 1314 Noble Ave., Orlando, Fla.

WANTED—30-30, 25-35 AND 32 SPECIAL WINchester carbines and rifles, 250-3000 303 and 300 Savage model 99 rifles Krag and Springfield Sporters, Model 1897 and 12 Winchester 12-16 and 20 gauge shotguns, Ithaca, Lefever, Stevens, Fox and Winchester double barrel shotguns 12-16 and 20 gauge Model 37 Ithaca repeater and Remington and Browning automatic, 32-20 and 38 Colt revolvers 7.65 and 9mm. Lugers, Hi-Standards and Colt Woodsman. Give full description and price in first letter. Floyd Hall, 23-11th Ave., South, Nampa, Idaho.

WANTED—WOODSMAN OR HI-STANDARD 4½, excellent or better with ammunition, reasonable price, also rifle 22 with ammunition reasonable price. Jesus E. Andrade, P. O. Box 363, El Paso, Texas.

WANTED—FOR ACTION ONLY, MODEL 70 or 54 Winchester, 300 Magnum or 375 Magnum, good or better. Lt. D. M. Conklin % H. E. Conklin, R. F. D. #1, Tunnel, N. Y. 9-44

WANTED—SPRINGFIELD MODEL II CALIBER 22 government issue Sporter or regular, also 3 model II magazines, one 22 Springfield barrel. Clarence Marsh, Orlando, Florida.

WANTED—MODEL HD HI-STANDARD OR Match Target Woodsman, must be excellent or perfect condition, also want National Match .45 Automatic, give full description and price. M. E. Hutton, 222 South Mariposa Ave., Los Angeles, Calif.

WANTED—MAUSER AUTOMATIC PISTOLS with any of the following characteristics, 4 groove rifling, 4 inch barrel, or plain Vee backsight. Lt. W. G. Ogden, Rt. #1, Oak Harbor, Ohio.

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BOOKS WANTED—CENTURY OF GUNS, Blanch; British Textbook, 1929; American handarms, Chinn and Hardin, Kentucky Rifle, Dillin; Small Arms, Military Encyclopedia, Farrow; The Gun, Greener: History Firearms, Pollard; Books by Hicks, Satterlee, Sawyer. Ventuella, 3646 South Hamilton Avenue, Chicago 9, Ill.

WANTED—WINCHESTER MODEL 95, 30-06. carbine, solid frame. must be good, state price, describe rifle, and sights fully, examination privileges required. Lloyd Schneider, Rt. #1, Sterling, Colo.

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WANTED—MODEL 52 BULL OR HEAVY BARrell target rifle, size 42 10X coat, ammunition. Del LeVasseur, 110 West A Street, Iron Mountain, Michigan. 9-44

WANTED—WINCHESTER 62, 69, 75 SPORTER. Excellent condition. Reasonably priced. M. L. Holmes, 703 Harris, Hanford, California.

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WANTED—28 GA. SHELLS LOADED OR EMPTY new, and crimper. L. Renzi, 29 E. Pearl St., Burlington, N. J.

WANTED—MARBLE GAME-GETTER OR HAND .410 with supply of .44XL shot shells, H. R. Fish, 911 Beacon St., Madison 5, Wisconsin.

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WANTED—B & M POWDER MEASURE, IDEAL mould handles, lubricator and sizer .3095 and .358 dies, Argus or H & L spotting scope, #1½ NMNC primers, .30 boattail bullets. Wilson case trimmer 30-06. Light bolt action .22 rifle. Have Pacific scales, Ideal #5 measure and to trade. Describe fully. W. A. Jonasen, 417 Birch, Boulder City, Nevada.

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WANTED—A SAVAGE 23D HORNET, IN GOOD condition, with or without scope. Can use Hornet cartridges also. Seth Miller, U. S. S. Concord, % Fleet Post Office, San Francisco, Calif.

WANTED—JOHNSON OUTBOARD MOTORS, not larger than ten HP. State model, condition, price. I pay express. Fred Wehman, Box 415, Charleston, S. Car. 8-44

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WANTED—25-35 MODEL 94 CARBINE, 25-35 model 55. George B. Johnson, 60 Hopkins St., Hilton Village, Va.

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WANTED—52 WINCHESTER STANDARD B.S.A. spotting scope, targetscope, high power Air rifle. 10x Imperial coat size 40. T. G. Crain, 919 Millville Rd., Altoona, Penna.

WANTED—#30 B.S.A. rear sight, Vickers Jubilee perfection rear sight. B.S.A. Centurian Match rifle perfect, Kriegkoff auto. rifle 30-06 caliber, Parker-Hale Sportarget sight #1. Stoeger catalogs #30-31 & 32. Farquharson Falling block action. Eugene C. Craft, 1727 Sansom St., Phila. Pa.

WANTED—DEER RIFLES, 30-30, 25-35, 401 automatic, Weaver scope, 28 ga. shotgun. Tom Cusack, Hubbardston, Mich.

WANTED—ONE .32 CALIBER RIM FIRE RIFLE, also smooth bore. S. H. Bingham, Jr., 612 No. Sheridan Road, Highland Park, Illinois.

WANTED—SAVAGE HORNET 23D WITH SCOPE, ammunition. Parker 20 or 12, 26 or 28, IC, Mod., send full description, lowest cash price. Capt. B. D. Barr, 7th Regiment, Camp Claiborne, La.

WANTED—FULL LENGTH RESIZING DIES for 300 H & H Magnum; .270 Winchester and Standard Hornet. .38 Detective Special; 300 H & H Magnum ammunition; 32 automatic ammunition; 32-40 or 38-55 Schuetzen rifle; and ammunition. Colt Frontier; 38 or 45 caliber not less than 5½"; cylinder for 45 auto cartridges for Colt Frontier. W. I. Bowman, 22 No. Hazel St., Danville, Illinois.

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WANTED—PACIFIC SCALES AND WEIGHTS IN good or better condition. E. O. Billings, 2829 S. Buchanan, Arlington, Va.

WANTED—SEVERAL 22 CALIBER O.M.T. or S & W for Training purposes. W. K. Hillman. 1361 E. Acacia, Glendale 5, California.

WANTED—257 ROBERTS MODEL 70, 30-06 Model 70 excellent to perfect condition, prefer without scope. 6-30 Bausch Army glasses. Will pay cash or trade excellent K-22 as part payment on any of above. G. W. Beane, 806 Alice St., Modesto, California.

WANTED—.22 SHORTS OR LONG AMMUNItion. Will pay ceiling prices. Immediate cash, distance no barrier. Or will trade .22 long rifle for shorts. Equal exchange. Peerless Vending Machine Co., Dept. AR, 220 West 42nd Street, New York, N. Y., Wisconsin 7-6173. tf.

WANTED—FOR CASH—44 COLT AND REMINGton percussion revolvers, poor to fine. Robert Abels, 860 Lexington Ave., New York 21, N. Y. 1-45

WANTED—MODEL 70 WINCHESTER RIFLES in 7mm. 257 Remington Roberts and .270 Winchester calibers standard or super grade and ammunition with or without telescopes. Must be factory condition in and out, also Lyman Alaskan All-Weather telescope in perfect condition. Inspection privilege required. All correspondence answered. Member N.R.A. Albert S. Biordi, 3934½ Crenshaw Blvd., Los Angeles, 43, Calif.

WANTED—LATE MODEL 69 WINCHESTER 22, Remington 31, 12 ga. Clarence Wilmot, Rushford, N. Y.

WANTED—.220 SWIFT OR VARMINTER, MUST be excellent or perfect condition, give full description and price. M. E. Hutton, 222 South Mariposa Avenue, Los Angeles, Calif.

WANTED—COLLECTIONS OR SINGLE PIECES purchased at fair prices. Give full description. Kimball Arms Company, Woburn, Mass. tf

WANTED—OBSOLETE AND ANTIQUE FIREarms in working condition single items or entire collection. H. A. Brand, 1008 Ingalls Bldg., Cincinnati 2, Ohio. 5-45

ANYWHERE IN U.S.—WILL PROMPTLY BUY antique firearms, fair prices; minimum effort for seller. James Serven (Life Member), Santa Ana, Calif. tf

WANTED—EXCELLENT MATCH TARGET Woodsman. Have late excellent .22 Officers Model, or cash. Life Member. S. F. Toups, Thibodaux, La.

WANTED—SHOTGUN SHELLS: WE WILL BID on large quantities of empty shotgun cases. Empties must be in usable condition, no deformities. 12 gauge preferred, can use skeet and trap cases. Jim Clark Sportingoods, 2029 W. Fondulac Ave., Milwaukee, Wisconsin.

WANTED — JOHNSON OUTBOARD MOTORS, new and old models in good condition, also want disabled Johnsons for parts, describe, write immediately. Fred Wehman, Box 415, Charleston, S. Car. 9-44

WANTED—REMINGTON SPORTSMAN, 12 GA., improved cylinder, 26 or 28" barrel, Winchester .410ga. pump with shells; seven late Winchester 52's; Lyman Targetspots; all excellent to perfect only. Shooting coats sizes 38 (right and left) and 44; fishing swivels. Describe fully. Edmund McLaurin, 114 North Sixth St., Wilmington, No. Carolina.

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WANT—WINCHESTER M70 .257 ROBERTS OR .270, scope sights, excellent condition. Ammunition must accompany offer. Want Colt OM .22 Target grade. J. M. Fernandez, 708 Everett, Morgan City, La.

WANTED—COLT S.A. .45 or .44 SPECIAL, 5½" mechanically excellent, friendly price. primers. Capt. C. G. D'Oench, Station Hospital, AAB, Sioux City, Iowa.

WANTED—6½" NEW MODEL WOODSMAN, must be like new, will pay good but not holdup prices. 30-30 Winchester carbine, good or better, also want 25 Remington automatic, 22 hornet shells, will trade 3 boxes 150 gr. 300 Savage reloads. Member. Pat Walsh, Jr., Susanville, California.

WANTED—COLT WOODSMAN OR HI-STANDard 22 automatic, S&W K-22, S&W Kit gun, Savage 99 solid frame 250-3000, Remington 81 automatic 300 caliber, reloading dies for Pacific tool, 30-06, 25-20 R., 45-90, Moulds 32-20, 45-90, 300gr.; Lubricator & Sizer; 45-90 cartridges or empties; Bisley or S.A. barrels & cylinders. R.A. Allen, Rt. #1, Wakeeney, Kansas.

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The Muzzle Loading Rifle—Cline	7.00
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The Rifle in America—Sharpe	10.00
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WANTED—FOR CASH — ANTIQUE PISTOLS, rifles, swords, daggers, World War rifles, relics, collections, single pieces. Robert Abels, 860 Lexington Ave., New York 21, N. Y. 1-45

WANTED—TO BUY OR TRADE 22 L.R. SHELLS for Colt Ace in perfect condition. D. L. Cox, Hope, Ark.

WANTED—B&L OR ARGUS SPOTTING SCOPE, M70-220, 250-3000 cases, 4½ Woodsman, 22 Varminter, PAC. dies, 10X Super Targetspot. G. W. Fuller, 651 West Third St., Downey, California.

WANTED—STAR-GAUGED SPRINGFIELD 30-06, serial number above 1,275,767, as issued or sporting model. External condition, bluing, woodwork, immaterial, barrel inside and action must be excellent to perfect. Describe fully. S&W 22-32 Target revolver, or Colt Woodsman, serial number over 83,790. King luminous front sight #105 with detachable hood. Redfield #70 W.H. and L.H. micrometer sights with hunting knobs or Lyman #48 for Springfield. Remington 31A, 5 shot pump, 12 gauge, with Aromet receiver 6½ lb. model and raised, solid rib, preferably Cutts equipped. Describe fully. Dallas L. Sharp, 24 Oak Grove Avenue, Springfield 9, Mass.

WANTED—WINCHESTER MODEL 1894 25-35 rifle 26" round barrel, full length magazine, must be very good to excellent, describe fully, state price. Sgt. N. B. McWilliams, Co. C, 150th Inf. APO 827, c/o Postmaster, New Orleans, La.

WANTED—WINCHESTER M70 SWIFT, 6X30 Zeiss binoculars. W. Martin, 3379 Santa Ana, Huntington Park, California.

WANTED—.257 ROBERTS FACTORY AMMUNITION. 87 & 100 gr. only. E. C. Andrews, 2707 Barnes Avenue, Bronx 67, N. Y., N. Y.

WANTED—THREE 52 WINCHESTERS STANDard, speedlock. Hyrle A. Ivy, R.R. #1, Ft. Wayne, Indiana.

WANT—.44 CALIBER S&W SPECIAL RELOADing outfit, components, primers. Write A. C. Robertson, Headquarters 88th Sub-Depot, Pope Field, Fort Bragg, N. Car.

WANTED—.30 NEWTON CARTRIDGES OR cases and loading tool. .38-40 bullet mould. E. J. Krueger, Cody, Wyoming.

WANTED—OLD COLT PISTOLS, REVOLVER, army muskets, civil war carbine, heavy percussion target rifle. State condition and price in first letter. C. P. Creso, Spanaway, Washington.

WANTED—.303 MILITARY ROSS, AS ISSUED, Mark III or IV prefered, give details. Doug Wilson, 365 Escobita, Palo Alto, California.

WANTED—.375 SUPER WINCHESTER 70 MAGnum, also 52 Winchester Sporter; Trade .220 Swift, medium, 70 Winchester target, factory or 52 H.B. Lyman mounted Unertl tube-merit receiver, Goss aperture front; swap .38 Pacific dies for .375 Pacific dies complete, or will buy. Want .375 empties, bullets, primers, also barrel only 70 Winchester .257 heavy. Clif Sievert, Canon City, Colorado.

WANTED—ONE CASE 20 GAUGE SHELLS, 2¾ maximum loaded. No. 4 or 5, shot, state make, $60.00 cash. D. B. Conley, Swampton, Ky.

WILL PAY $100.00 FOR PERFECT LATE 99T, .300 Savage and 100 good factory rounds. N. S. Bement, 715 Forest, Ann Arbor, Michigan.

WANTED—.45 FRONTIER, 45 1911, 25 AUTOmatic, Browning O&U single selective trigger and ejection 28" full and modified ventilated rib lightning or standard. 32 Auto cartridges. Gowen, 322 Plant, Tampa, Fla.

WANTED—CASH FOR AMMUNITION ANY quantity, all calibers, also 10 gauge Magnum, and shells. Clyde Cowan, Slaterville, Utah.

WANTED—NEW OR SLIGHTLY USED WINchester 70 Swift, in Standard or Super grade; with Lyman 48, strap and scope blocks preferred, but without scope. Jos. Dudinack, Jr., 116 Hillside Ave., Windber, Penna.

WANTED—REMINGTON 22 LR MODEL 12C IN perfect condition, 24" octagon barrel pistol grip stock. B. E. Loudder, Pecos, Texas.

WANTED—BY OVERSEAS OFFICER SEVERAL boxes .32 Colt automatic pistol ammunition. Mrs. Wm. P. Dunn, 405 Louise St., Bainbridge, Ga.

WANTED—.30 CALIBER BULLETS AND LARGE size primers. Chas. N. Cox, 919 Prince St., Alexandria, Va.

WANTED—EMPTIES: WE WILL PAY GOOD prices for the following empties, 32 Winchester Special, 250-3000, 8mm. and 30-30. Want shotgun loading tools, Ideal #2 loaders, bullets all calibers, 172 grain boattails. Have all caliber Pacific dies, loading tools, etc. for trade. Jim Clark Sportinggoods, 2029 W. Fondulac Ave., Milwaukee, Wisconsin.

WANTED—SAVAGE MODEL 745, LIGHT weight automatic shotgun. Fred Wehman, Box 415, Charleston, S. Car. 9-44

WANTED 270 BULLETS, M2, 30-06 BULLETS and cartridges, 300 Magnum empty cases fired once. Witt, 171 College Ave., Holland, Michigan.

WANTED—TWO WINCHESTER M94 ACTIONS or complete rifle, wood and barrel immaterial. Ed. Howe, Coopers Mills, Maine.

WANTED—WAFFENFABRIC MAUSER ACTION or 70 Winchester action. Witt, 171 College Ave., Holland, Mich.

WANTED—REMINGTON 37 WITH MIRACLE trigger perfect to excellent. L. E. Smith, 112 Lincoln Avenue, Birmingham, Michigan.

WANTED—NEW OR PERFECT CONDITION Winchester 52 Standard or H.B.; prismatic scope, for school use trade 22 ammunition. K. Newbert, 1866 Palmetto, Brooklyn, New York.

WANTED—SHOTGUN, TARGET SCOPE, 12 gauge automatic or pump. Ernest Johnson, 128 Pinehurst, Kingsford, Michigan.

WANTED—MODERN RIFLE IN .270, 257 OR other, and expanding bullets. Empty 257 cases. .22 pump or automatic. Alfred Hovelsrud, 244 Bellingham, Salishan, Tacoma, Washington.

WANTED—.44 S.W.R. AND .44 W.C.F. AMMUNItion, also Russian model S&W revolver. State price and condition. B. Kaspar, J-11 #211, Richland, Washington.

WANTED—A1 ROD AND REEL 30-06 RELOADing tools and bullet puller. A. L. Terhaar, 6425 Cross St., Jacksonville, Florida.

WANT—.22 HORNET AND A 32-20, TOGETHER with supply of ammunition for both rifles. Clint W. Murchison, 40 Highland Park Shopping Village, Dallas 5, Texas.

WANTED—.22, BREAK-UP, 6" S&W, 1860 FOR Museum. William J. Curtis, Mount Olivet, Kentucky.

WANTED—EXCELLENT EMPTIES, 32-20; .25-20 repeater; .30-30; 7.65 and 9mm. Luger; cheap reels and rods; Diamond Stevens for parts; .22 shorts; good 30S Remington stock. Trade 300 M'2s for very good Enfield or .22 Colt or Smith. State prices, details. Lee Parkinson, 812 McKinley, Boise, Idaho.

WANTED—SAVAGE MODEL 1899, 38-55 CARbine, Marlin model 1893, 38-55 carbine, smokeless steel barrel. May consider Winchester .38-55 carbine, with nickel steel barrel. All must be excellent very good. Bartlett Bankston, 130 West Cedar. Denver, Colorado.

WANTED—FIRED .22 RIM FIRE CASES, #116 primers, powder scales. Alvey N. Stotelmeyer, 418 No. Prospect St., Hagerstown, Maryland.

WANTED—REMINGTON DOUBLE DERRINGER. blue, new condition. Write Sam Cary, 643 South Fortieth St., Louisville 11, Kentucky.

WANTED—WINCHESTER 410 GA. MODEL 42, also Remington Fieldmaster .22 rifle. State cheapest price subject inspection. E. Ham, Madera, California.

WANTED—SHOTGUN, PUMP, AUTOMATIC, 12 or 16 gauge, v.g. or better field grade. Must be modern gun, please describe all items wanted so I can almost see them. Model, type, condition, this saves lots of correspondence. I answer all cards, letters, also want Savage .300 rifle solid frame, K-22 Colt O.T.M. 22, Smith 38 Special 2" square butt. Want Springfield and Enfield peep, or buckhorn rear, ramp front. Ken Pool, Sr. 2706 West 78th St., Inglewood, California.

WANTED—MODEL 63 WINCHESTER .22 caliber automatic rifle, also Colt Woodsman or Hi-Standard and Benjamin Air Rifle. State price and description for cash. H. W. Wittman, 125 N. First St., Phoenix, Arizona. Member.

WANTED—30-06, ENFIELD, SPRINGFIELD, Winchester or Remington, rifle 30-40 Krag and 30-40 ammunition. Wm. J. Frewen, 700 West Washtenaw, Lansing, Michigan.

WANTED—30-06 SPRINGFIELD OR ENFIELD as issued, also bayonets. Robert Abels, 860 Lexington Ave., New York 21, N. Y. 1-45

WANTED—COLT, WOODSMAN .22, LONG BARrel, excellent to perfect only, pay up to $50.00, c.o.d. with examination privileges. Col. F. S. Forsberg, 205 E. 42nd St., New York City, N. Y.

WANTED—12X LYMAN SUPER-TARGETSPOT with mounts. Give full details. Geo. Gilligan, 1914 Linden Avenue, Grand Rapids, #7, Michigan.

WANTED—WINCHESTER MODEL 12 HEAVY duckgun 3" chamber. Daniel Fedory, R.F.D. #1, Schenectady, N. Y.

WANT TO BUY 12 GAUGE DOUBLE HEAVY duckgun or Parker DHE. N. L. Walstad, Milton, N. Dak.

WANTED—OLD STYLE, COCKING INDICATOR breech block, for Savage model 1899. Floyd Butler, Poultney, Vt.

WANTED—COLT WOODSMAN, CASH OR trade I. J. Champion S.A., v.g. R. A. Anthony, 66 No. Atherton Avenue, Kingston, Penna.

WANTED—22-32 SMITH & WESSON WITH 4½" or 6" barrel and targetsights perfect or excellent. Dwight Mattoon, Wadsworth, Ohio.

WANTED—COLT GOVERNMENT MODEL AUtomatic pistol caliber 45, very good condition, Smith & Wesson 1917 model caliber .45 revolver, very good condition. C. E. Granger, Glen Elder, Kansas.

WANTED—38 SPECIAL REVOLVER FROM good to excellent. Please give description and price. Not too particular. L. Rickel, 2420 MacDonald, Richmond, California.

WANTED—WINCHESTER 52 H.B. OR BULLgun, marksman stock, latest model, perfect. The following back issues American Rifleman good condition. 1930 September, November, 1931 December, 1940 November, 1941 June, December. G. H. Tittle, 302 Hearne Ave., San Antonio, Texas.

WANTED—22 AND .32 TOP BREAK REVOLVers; Colt .25 automatic; wire gauge drills 1 to 60 Hi-Speed. W. W. Dudley, Elizabeth City, No. Carolina.

WANTED—HAENEL OR WEBLEY AIR PISTOL in excellent condition. Frank Kubrock, 286 Ogden St., Orange, N. J.

WANTED—30-06 SPRINGFIELD BARREL, 30-40 Krag barrel both excellent or better inside. S&W 22 cal. revolver Model 1856, any condition. .32-20 ammunition. S/Sgt. F. W. Sedekum, 786th Ordnance Co. A.P.O. 450, Camp Livingston, Louisiana.

WANTED—IDEAL RELOADING TOOL #3 FOR 25-20 repeater, also 25-20 bullet mold, Ideal #10 for 30-06. J. B. Eggleston, Box 411, Tomball, Texas.

WILL PAY CASH FOR FOLLOWING: .22 COLT Bankers Special, .22 H&R new Defender, .22 IJ Protector Sealed 8", in v.g. or better condition. Send full details first letter. Cpl. R. S. Watkins, Box 1135, Ephrata, Washington.

WANTED—MARLIN MODEL 39 OR 39A, MUST be excellent or perfect, examination privilege, write W. T. Apple, Ridgeway, Ohio.

WANTED—SABER CHAINS, NEW OR USED, wanted for high school cadet officers. H. Butterworth, Brandywine, Maryland.

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WANTED—COLT'S POCKET POSITIVE OR POlice Positive or Smith regulation Police 32 caliber, with or without ammunition. Carl F. Krausse, Hobart, Indiana.

WANTED—M70 HORNET, REDFIELD JR., Weaver mount; needn't have ammunition. Benjamin Conner, Orangeville, Pennsylvania.

WANT—SPANISH MAUSER CARBINE, ITALIAN machine gun, Star automatic pistol. D. L. Smith, 17301 Wisconsin, Detroit, Michigan.

WANTED—WINCHESTER MODEL 70 RIFLES, all calibers. Winchester hi-side and Stevens 44½ actions or complete rifles. Want factory loaded cartridges, new or fired once empty cases in .219 Zipper, .22 Hornet, 220 Swift and .270. Will pay cash or trade shotgun shells in 410, 20, 16 and 12 gauge, 30-30 factory loads, Sisk 22 caliber bullets. Leslie Lindahl, Central City, Nebraska.

WANTED—IDEAL MOULD #313445 FOR .32 S&W long, .257 Roberts Hi-Speed dies for Pacific tool, .32 S&W long Pacific Hi-Speed dies, revolvers and pistols of all types, especially Smith & Wesson. H. L. Remmel, 1622 Center Street, Little Rock, Arkansas.

WANTED—IDEAL STAR CRIMPER #2, 12-gauge and shell trimmer. Mold, Ideal 230 grain for .45 A.C.P. and sizing die, few hundred large pistol primers. Frank Manuel, 124 6th St., S. E., Washington, D. C.

WANTED—COLT SHOOTING MASTER, .38 Special or .357, must be perfect or excellent. M. F. Ross, R.D. Red Bank, New Jersey.

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SELL OR TRADE—WEAVER SCOPES IN STOCK X hair or Post (Lee dot add $6.00) 330S $29.70, 440S $35.20, 1X $20.35 prepaid. Mounts T $2.00, B $6.00, Stith $11.00. S. A. Wentling, Palmyra, Penna.

WANTED — HENSOLDT DIALYTAN, ZEISS, Zielvier, Luxor-Hell 4X or Ajack 4X, also Lyman Alaskan, must be excellent or perfect condition. Give full description and price. M. E. Hutton, 222 South Mariposa Ave., Los Angeles, Calif.

WANTED—BAUSCH & LOMB OR ARGUS SPOTting scope, Lyman or Fecker Target scope, any power. W. P. Klapp, Paoli, Penna. 1-45

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WANTED—20X SPOTTING SCOPE. STANDARD make with stand. Don Smale, 7002 Chappel Avenue, Chicago, Illinois.

FOR SALE—BINOCULARS, BAUSCH & LOMB 7 x 35 C.F. with case. Optically perfect, slight case wear, $135.00. Bob Mitchell, 478—12th Avenue, San Francisco, California.

SCOPES WANTED—$140.00 FOR HENSOLDT Dialyt, Zeiss Zielvier, Luxor Hell. $100 for Fecker 1½", Lyman Super Targetspot. WANT—10-gauge Magnum 32" full, shells, also Leica or Contax 35mm private party, replies answered immediately. Oren Jensen, 1259 Renton Highlands, Renton, Washington.

FECKER 4-POWER 10 INCH SCOPE, CLICK mounts, $55.00. Good Lyman Stag 3-power scope side mounts, windage and elevation, $50.00, good 8-power prism monocular, case, $12.00, good. Jack Shattuck, Jr., 707 Summit Avenue, South, Minneapolis, Minnesota.

WEAVER SCOPES TACKHOLE DOT EQUIPPED 330, $35.70, 440, $41.20. T mounts, $2.20, B $6.60, Stith $12.00. Immediate shipment. T. K. Lee, Box 2123, Birmingham 1, Alabama. 10-44

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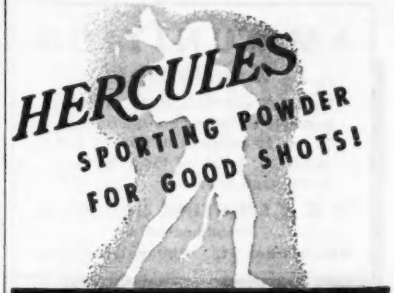

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NEW HENSOLDT—SPORT DIALYT 8 X 30 monocular with leather case and straps, compact, fine optics, $55.00. C. C. Pipkin, Garland, Arkansas.

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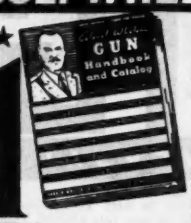

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FOR SALE—$1.00 GOVERNMENT LEATHER HOLSTERS for 45 automatic pistols, second hand. Weil's Curiosity Shop, 12 Strawberry St., Phila., Penna.

FOR SALE—22 O.M.T. FULL KING RIB, BISLEY hammer, smooth action, Sanderson grips, excellent to perfect, $100.00. 38 O.M.T., Sanderson grips, holster, excellent to perfect, $70.00. Model 70-06 330 Weaver, Stith mounts, sling, sheeplined scope case, 2 boxes hunting ammunition, perfect, $175.00. Swap .22 S&W LadySmith, Adj. target sights, perfect, rarest of LadySmiths. Want Walther P.P. K. 22 LR in excellent to perfect condition or Colt Ace, same condition. .38 Colt Official Police 4" barrel, perfect, grips, holster, 50 reloads, $50.00, or Model 12, 12ga. or Model 42, full. Dealer-Money orders, please & permits where necessary. J. Otto Peebles, 1705 Union Blvd., S.E., Grand Rapids 7, Michigan.

FOR SALE—30-06 ENFIELD SPORTER, 29S Weaver, excellent, 100 cartridges, $78.50, 32-20 Winchester carbine, excellent in ammunition, $34.00. 40-82 Winchester, cartridges, $21.00. 40-82 about excellent, $30.00. 45-70 Marlin, $19.50. 45-70 about good, $5.75. Cadet model, $7.50. K-22, about perfect, $69.00. 45 Colt, M1909, v.g. plus, ammunition, $38.00. 32-20 S&W, M&P, perfect except bore, ammunition, $38.50. 45 Colt Automatic Army, excellent $54.00. 44 Stevens action, $11.00. 20X telescope, stand, $30.00. King 32-40 powder measure, $10.00, 20, 38-72, $1.80. Kit S. Kapp, 6502 Salem Pike, Cincinnati, Ohio.

FOR SALE—ENFIELD '06, GOOD, REDFIELD target front, Redfield 70, 26" barrel, poorly remodeled service stock, recoil pad, nice reblue, $55.00. Model 12-20, 28 mod., good, 50 shells, $55.00. Winchester 108 Staynless primers trade for Remington's 8½ or 9½ NMNC. L. J. Burkett, 204 Wilson Avenue, DuBois, Penna.

FOR SALE—1¢ EACH, EMPTY 38 SPECIAL CARtridges shells, take small primers, we have plenty, large quantity special price. Weil's Curiosity Shop, 12 Strawberry St., Phila., Penna.

WANTED—.22 CALIBER S&W KIT GUN, ALSO spotting scope, state condition and lowest cash price. Maurice G. Denniston, 2758 Lincoln Avenue, Ogden, Utah. Life Member.

45 COLT FRONTIER VERY GOOD, WITH IVORY stocks, 91 shells, holster, shell belt, $50.00. Can use Springfield or Enfield action in trade. James Hinson, 235 Columbia Circle, Waterloo, Iowa.

SELL OR TRADE—WINCHESTER MODEL 12, 20 gauge modified, very good in, bluing worn with 29 boxes shells, mostly Expert $110.00. Springfield D.C.M. Sporter #1276124, recoil pad, brand new T mounted #330S scope, very good in, good out, $105.00. Late issue cartridges 7¢ each. Remington 513 Target, new T mounted 329 Weaver, welded bolt handle, very good in, good out, 500 L.R. $40.00. Perfect (only fired 30 times) Winchester 75 target 500 L.R. $55.00. Never mounted Redfield Jr. for Winchester 75 $10.00. Frances Miller, 355 Covert St., Brooklyn, N. Y.

TRADE—45 SINGLE ACTION 5½", VERY GOOD or 32-20 Single action 4¾ excellent. Want 22 L.R. ammunition. Tom Scroxton, 76 South Ave., Bradford, Penna.

FOR SALE—.357 S&W MAGNUM 8¾", PERFECT. 450 or 500 rounds of factory ammunition (canned). Ideal No. 3 reloading tools complete with extras. No. 5 powder measure, Fairbanks scales, Ideal 357446 bullet mould, about 8½ lb. Hercules 2400, about 5550 NMNC primers, all items perfect condition. $275.00. 22 M.T. Colts, excellent, 500 L.R. cartridges, $75.00. .348 Winchester 71 Deluxe perfect, 193 rounds Winchester, 200 gr. ammunition, $125.00. 442 L.R. No. 120 NMNC primers (canister each 3031 and 4064 sealed, $11.00. Wollensak binoculars 8x30, perfect heavy, velvet lined case, $100.00. Wollensak 425X microscope, perfect, nice wood case, $21.00. B&L shooting glasses, excellent to perfect, case, $20.00. Savage Model 19 N.R.A. match rifle 22 caliber, accurate, very good in, good out, 500 L.R. kleanbores, $18.50. Money orders or bank drafts only. All items express collect. Francis Boller, R.R. 6, Box 101, Marion, Indiana.

FOR SALE—COLT COMMERCIAL N.S. CALIBER 45, good, $35.00. Springfield Service rifle, good. barrel like new, $60.00. Enfield-Winchester barrel, new, $17.50, 1918 trench knife, new, $10.00, 1928 to 1938 RIFLEMAN, about complete, few extra copies 1927, 1928, 1929. Inquire. R. Wipprecht, 515 So. 42nd St., Omaha 5, Nebraska.

6 X 30 BAUSCH AND LOMB ARMY, EXCELlent, case, $50.00. T. Higgins, Pleasantville, N. Y.

REVOLVERS — AUTOMATICS — SHOTGUNS — Rifles—with ammunition. Guaranteed NRA descriptions. List 10¢. Archery and musical instrument list free. Rudolph's, Atchison, Kansas.

GOOD .30-'06 SPRINGFIELD BARRELS, $3.75, fair, $2.75, stripped receivers $7.50. Also Ross parts. New unfired .45-70 Springfield rifles $16.50, cartridges $2.25 box. 6 gauge, heavy, percussion double, good shooting, $20.00. Want—Trade, buy, Military pieces, handguns, war relics. List 10¢. R. Reppert, R.D. #4, Norristown, Pa.

TRADE—WINCHESTER 12-20-28 FULL FOR same in heavy duck 3". 150 gr. bronze points for 180 or 220 gr. any make expanding. Russell Jennison, Buckeye, New Mexico.

WANTED—TWENTY TO SIXTY .30-40 KRAG soft-nosed cartridges. Stanley T. Goss, 48 Grove Hill, New Britain, Conn.

FOR SALE—FECKER SCOPE, TWO INCH OBjective, 20X Lee dot, perfect condition, $135.00. A. Hubalek, 1167 Myrtle Ave., Brooklyn, N. Y.

HOSSTHIEF GAYZETTE: RARE GUNS, FLINTlocks, jeweled junkers, muzzle loaders that shoot and win matches or no deal, plenty trading going on; get yerself outa that rut and get took by Bedford instead. Send self-addressed envelope marked 3. Want superior pieces. Want entire collections worth big dough. Miller Bedford, New London, OHIO.

WARNING

As we go to press, several reports from members indicate that a small time racketeer, claiming to be an NRA Life member and operating in Texas, has fraudulently obtained merchandise advertised "for trade" in the *American Rifleman*. We are cooperating with post office officials in their investigation of these complaints. We have helped put three similar operators in Federal penitentiaries during the past five years. Members are urged to use careful business judgment by exchanging identification credentials or otherwise investigating before shipping merchandise for trade or on open account to individuals unknown to them.

BINOCULARS, 8 X 25, FINEST FRENCH, nearly new, good case, seem equal to muchly used German at inflated prices, $45.00. (Under retail.) Wollensak 25X spotter, excellent to new, Ball & Ball tripod, $39.50. Excellent Krag Sporter, box ammo, $47.50. Want rare automatics. Miller Bedford, New London, OHIO.

AINSLEY FOX TRAP 12, 30", AE, ENGRAVED, excellent, $100.00. Charles Daley Trap 12, 30", engraved, excellent, $300.00. Fox Sterling, Deluxe, 20, 26", excellent, $55.00. Lefevre Nitro Special 16, 26", V.G., $30.00. J. Stevens 16, 30", V.G., $30.00. Ammunition extra. T. Higgins, Pleasantville, N. Y.

MODERN ARMS SALE—HIGH GRADE J.P. SAUER .45-70 double hammerless rifle with 25" Krupp fluid steel bbls. Caterpillar front and folding tang peep. Fine engraving. Cross bolt action. Auto ejector. Set triggers. Fine engraving. Selected P.G. stock. Rifle is in original trunk case with all fittings. Excellent. S.P. $195.00. Charles Daly 3 bbl. hammer gun, 12 ga. with .38-55 rifle bbl. 30" Krupp steel bbls., folding tang peep sight, with box S.P. cartridges. Very good. $125.00. Winchester Model 52 Standard with A-5 4X scope and 300 .22 L.R. cartridges. Very good. $97.50. Winchester Model 64 .219 Zipper with Weaver 29S 3X scope and 200 S.P. cartridges. Excellent. $95.00. Parker Vulcan 12 ga. double hammerless 28 full and full, ivory sights. Standard measurements, 8 lbs. Fine duck gun. Excellent. $89.50. Kimball Arms Company, Woburn, Mass. 9-44

FOR SALE—ZEISS 8 X 40 DELACTIS BINOCUlars, excellent, $150.00. Zeiss 6 x 18 Telita, 10 ozs., perfect, $110.00. Remington Model 8, .25 Rem., Lyman Receiver peep, with 100 fresh factory cartridges, good, $75.00. Leslie Lindahl, Central City, Nebraska.

MATCH TARGET WOODSMAN—ROPER GRIPS and rear sight, like new; five thousand Winchester Leader, new King four-gun leather covered case; B&L draw-tube scope, $250.00 for outfit. Hensley double cavity .38 Special 146 gr. wad-cutter mould, $10.00. 100 hand-loaded .38 Special cartridges, $5.00. 100 large rifle primers, canister 4350, $4.00. 200 small pistol primers, canister 4759, $5.00. 100 small rifle primers, 100 Hornet or 2-R bullets, canister 2400, $6.00. All primers NMNC. 1750 Lesmok match L*R, Precision, Palma Match, Tackhole, $10.00. No trades, no separate sales. J. E. Gebby, 46 S. Willowgrove, Dayton, Ohio.

WILSON'S WILL SELL, COLT COMMERCIAL .45 Auto, new barrel, slight holster wear, arched housing, $65.00. Colt Woodsman 4½", checkered thumb rest grips, V.G. in, good out, $55.00. WILSON'S, 410 Finance Bldg., Cleveland 15, Ohio.

KRAG SPORTER JUST CONVERTED, 24" BARrel, reblued, good to very good inside, Rice rear, band front, beautiful curly walnut stock oil finish, $60.00, first money order. L. Whitworth, 6913 Leedale Drive, St. Louis, Mo.

.32 COLT AUTO, V.G., AUDLEY HOLSTER, some ammo, $35.00. .32 Sauer auto, V.G., $25.00. .32 S&W Safety Hammerless, excellent, $28.00. .32 S&W Safety Hammerless, V.G., $25.00. .32 H&A Safety Police, excellent plus, $20.00. Four .32 H&R, two hammerless, V.G., $15.00 each. .38 IJ, excellent topbreak, 50 shells, $22.00. .38 IJ, Hammerless, V.G., 50 shells, $18.00. T. Higgins, Pleasantville, N. Y.

TRADE—BROWNING O&U AND CASE #7½ trap shells for Parker VHE, 12 gauge skeet. Browning perfect in, excellent out. 28" F&M barrels, plain rib. SSTAE, Jostam pad. C. G. Stetson, 46 Robert Treat, Milford, Conn.

.30-06 SPRINGFIELD-MAUSER SPORTER, EXcellent, ammo. $110.00. .25-20 Savage Sporter, excellent, 135 shells, $50.00. .32-20 Stevens heavy barrel single shot, V.G., 160 shells, $35.00. Winchester 94, .32 Special, carbine, V.G. plus, box shells, $50.00. Stevens 416 heavy barrel, Lyman rear, sling, excellent plus, $37.50. T. Higgins, Pleasantville, N. Y.

WANTED—7.65 MM. LUGER AMMUNITION. Any good military automatic hand arms. T/Sgt. W. R. Williams, USMC, AES-13, Quantico, Va.

FOR SALE—54 WIN. K-HORNET, SPEED ACtion, bolt handle altered for low mounted B&M 7X scope, condition is excellent out, action and bbl. perfect. Outfit includes Straight-line reloading tools, accessories and components, quantity of primers, also Sisk and W.M. bullets, 100 Sisk 41 Gr. loads, 100 W.M. 45 gr. loads, 300 new primed factory Hornet cases, also a lot of K-Hornet loads with cast G.C. bullets. Can offer up to 2000 primers and 3000 bullets if wanted, also a lot of empty fired cases, sell all or part. Write for details and price, state amount of Mdse. and etc. wanted. Wm. M. Knauf, Evans City R #2, Penna.

MODERN REVOLVER SALE—SMITH AND Wesson .44 Special Triplelock. The blue finish somewhat worn. Very good. S.P. $55.00. Smith and Wesson .44 Special Triplelock nickel plated. Very good. S.P. $50.00. Colt .38 Official Police 6" blue finish. Holster worn, bore fine. S.P. $45.00. Another 4" same condition, S.P. $40.00. Colt .38 P.P. Special 4" very good. S.P. $37.50. Colt .38 P.P. 4" very good. S.P. $35.00. Box of cartridges and holster included with each Colt Revolver. Kimball Arms Company, Woburn, Mass. 9-44

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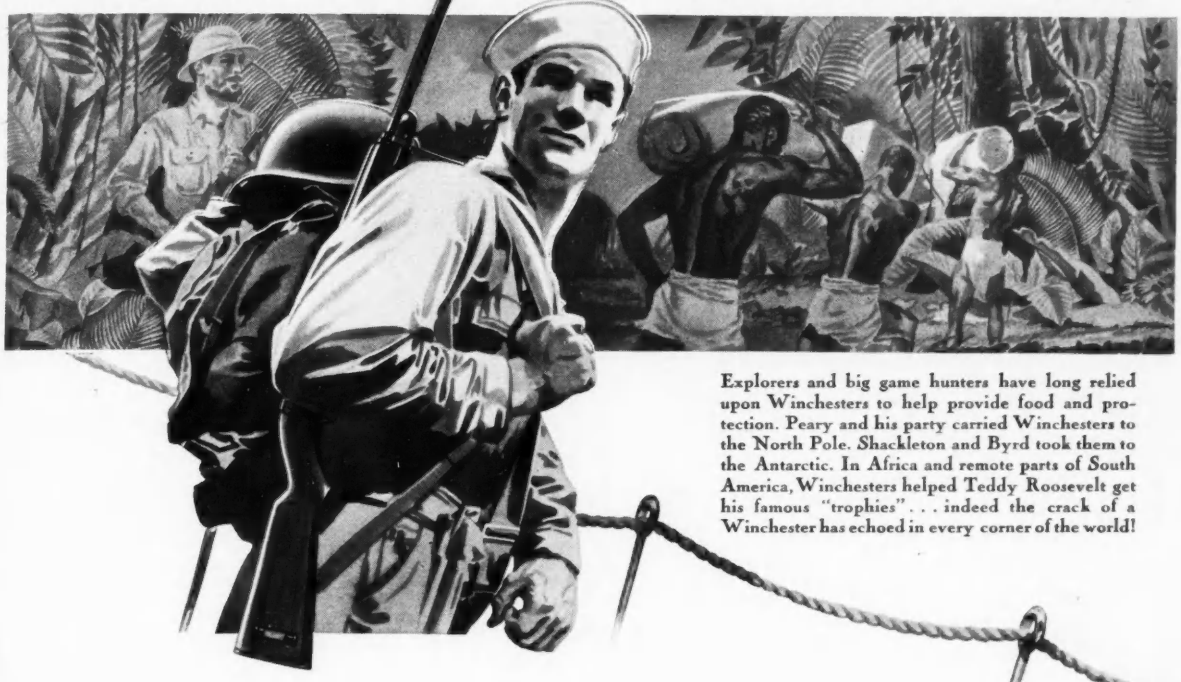

Explorers and big game hunters have long relied upon Winchesters to help provide food and protection. Peary and his party carried Winchesters to the North Pole. Shackleton and Byrd took them to the Antarctic. In Africa and remote parts of South America, Winchesters helped Teddy Roosevelt get his famous "trophies" . . . indeed the crack of a Winchester has echoed in every corner of the world!

Ready to Build ...or Battle

Every U. S. amphibious operation finds the Seabees—the Navy's famed Construction Battalion—among the first to land and fight.

At Guadalcanal, in the thick of a fight, they "bulldozed" miles of roads and an airfield. At Salerno, under heavy bomber attack and a rain of fire from shore batteries, they unloaded 10,000 pieces of heavy equipment in 48 hours. At bloody Tarawa, they repaired the airfield in the face of fierce machine gun fire—finishing the job in 4 days.

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Winchester has a champion string of "firsts". From the Model '66—the gun that helped to win the West—to the *new* Carbine which, for many troops today, is replacing the service pistol.

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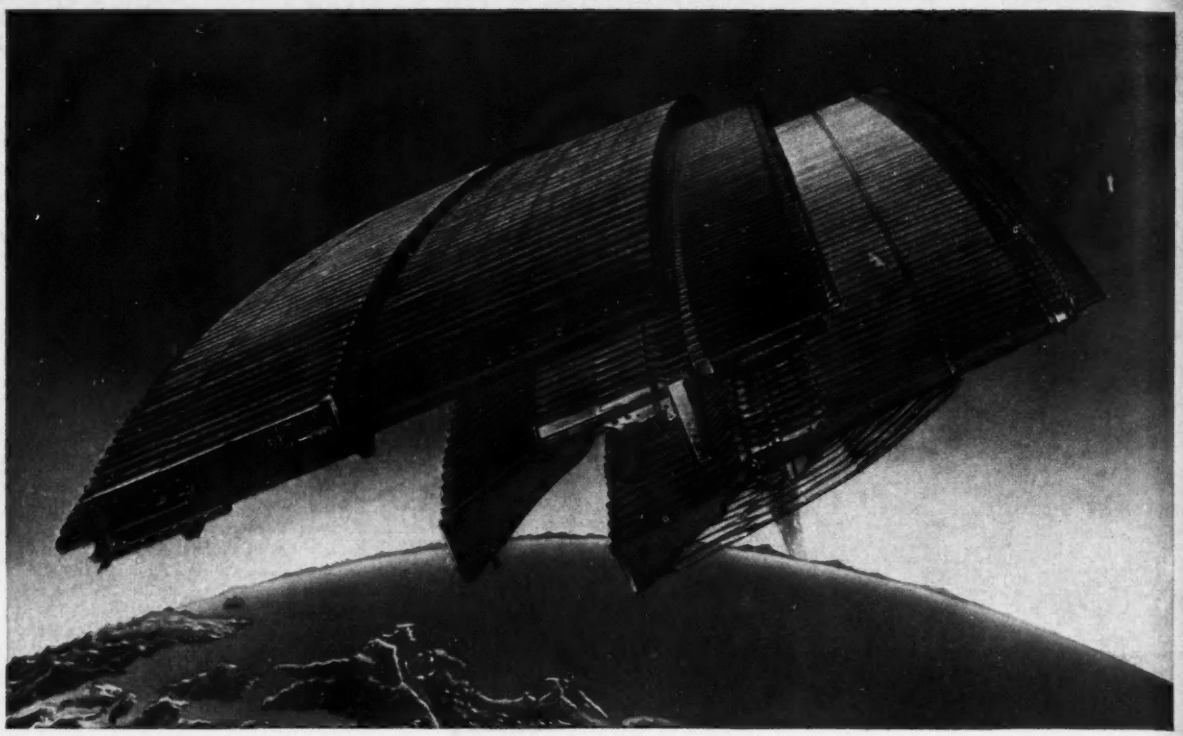

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The following excerpt from an official letter to Savage from the Army Service Forces, Office of the Chief of Ordnance, speaks for itself.

"I congratulate all members of your organization on the fact Savage Arms Corporation plants in Utica, New York, and Chicopee Falls, Mass., have produced more than 2,000,000 military small arms weapons. This is truly a great record.

"The Rochester Ordnance District relied heavily upon your Utica organization to give us submachine guns and aircraft type machine guns when they were most urgently needed.

"You did not fail us, and you produced not only the required numbers of these arms, but they have been proven most dependable in battle."

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Savage Arms Corporation. Plants at Utica, N.Y., and Chicopee Falls, Mass. Manufacturer of Savage, Stevens and Fox Sporting Arms.

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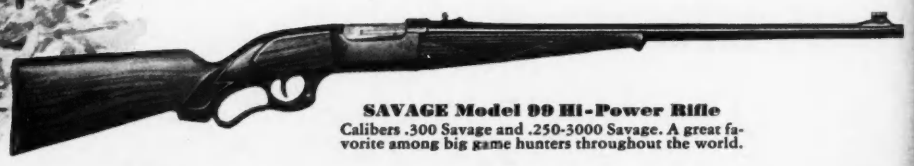

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